

#9



FIG. 1A

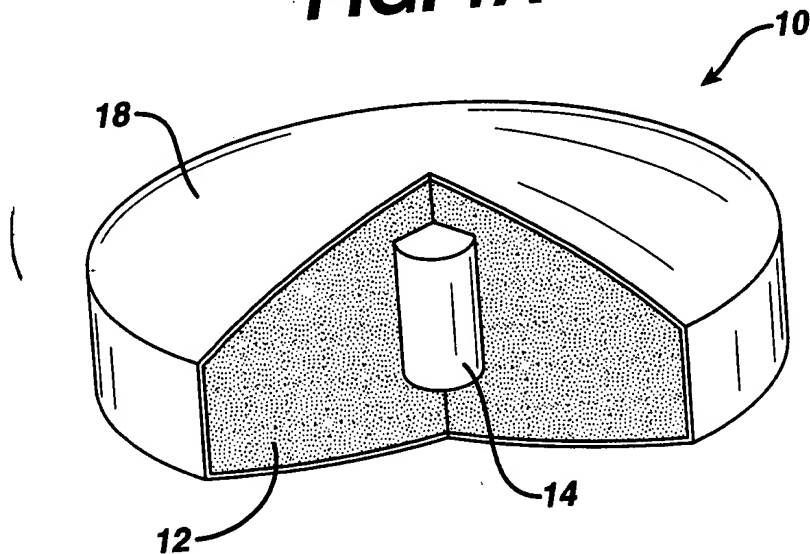
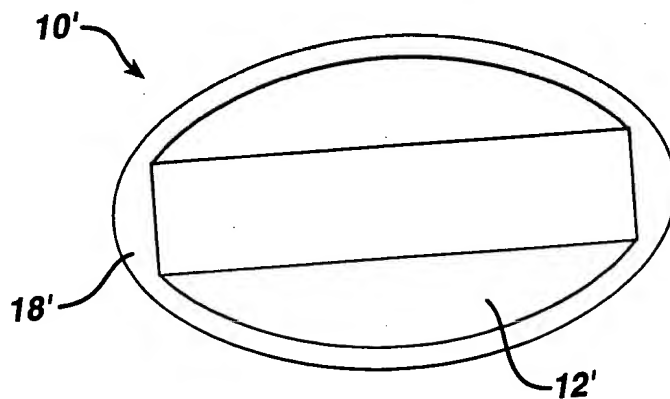


FIG. 1B



00966509

2/80

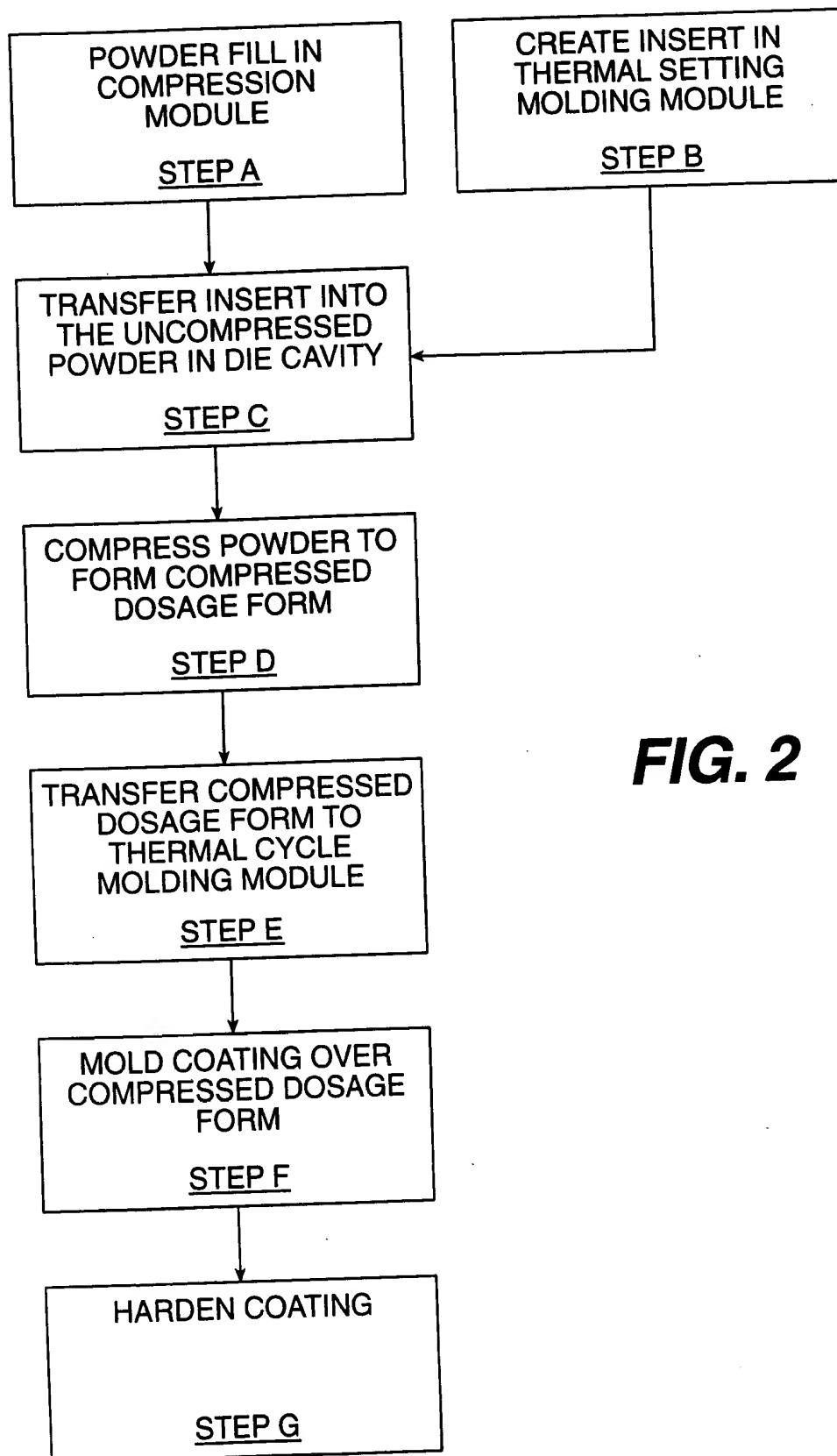
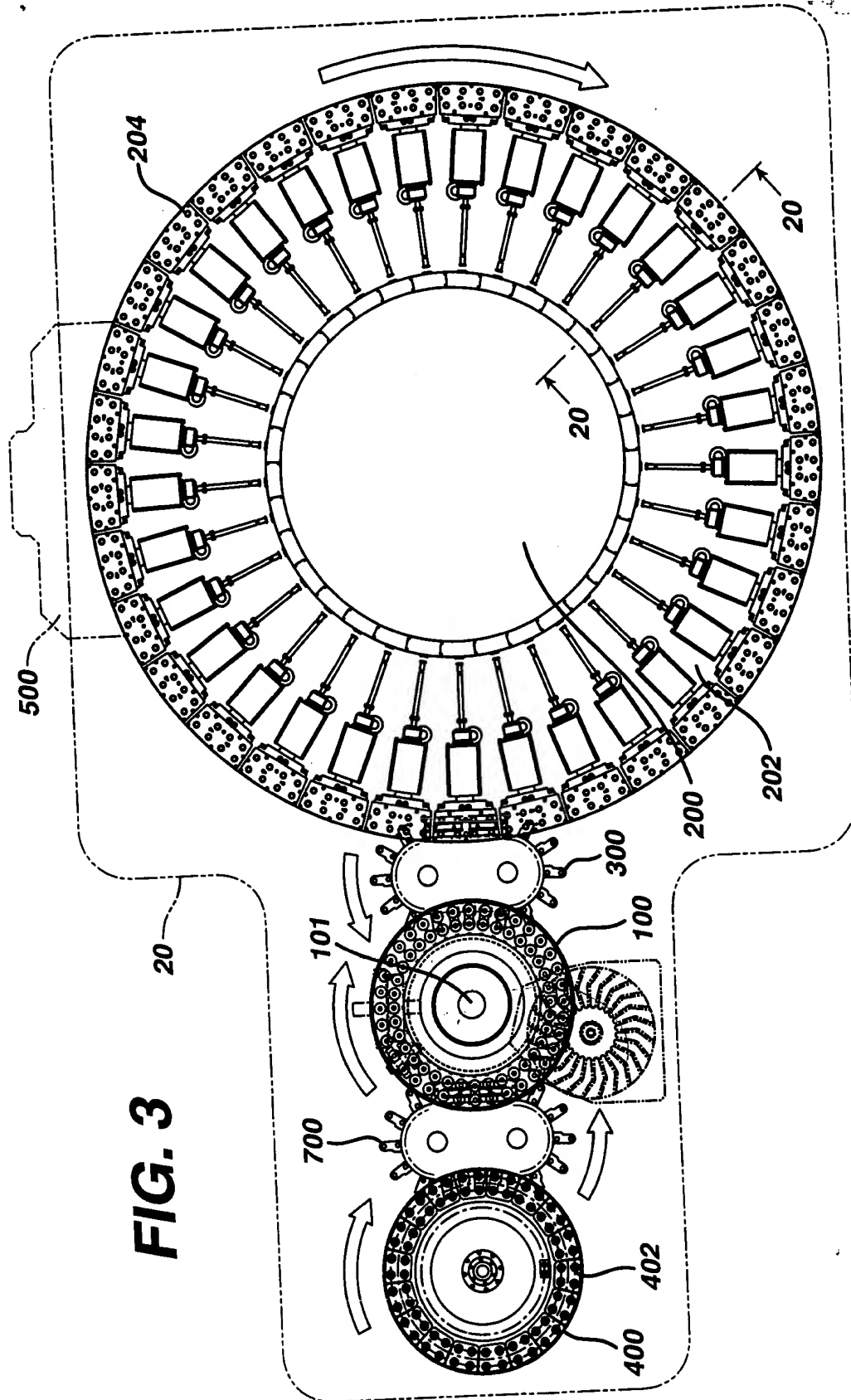


FIG. 2

2025-03-06



202150-00593660

4/80

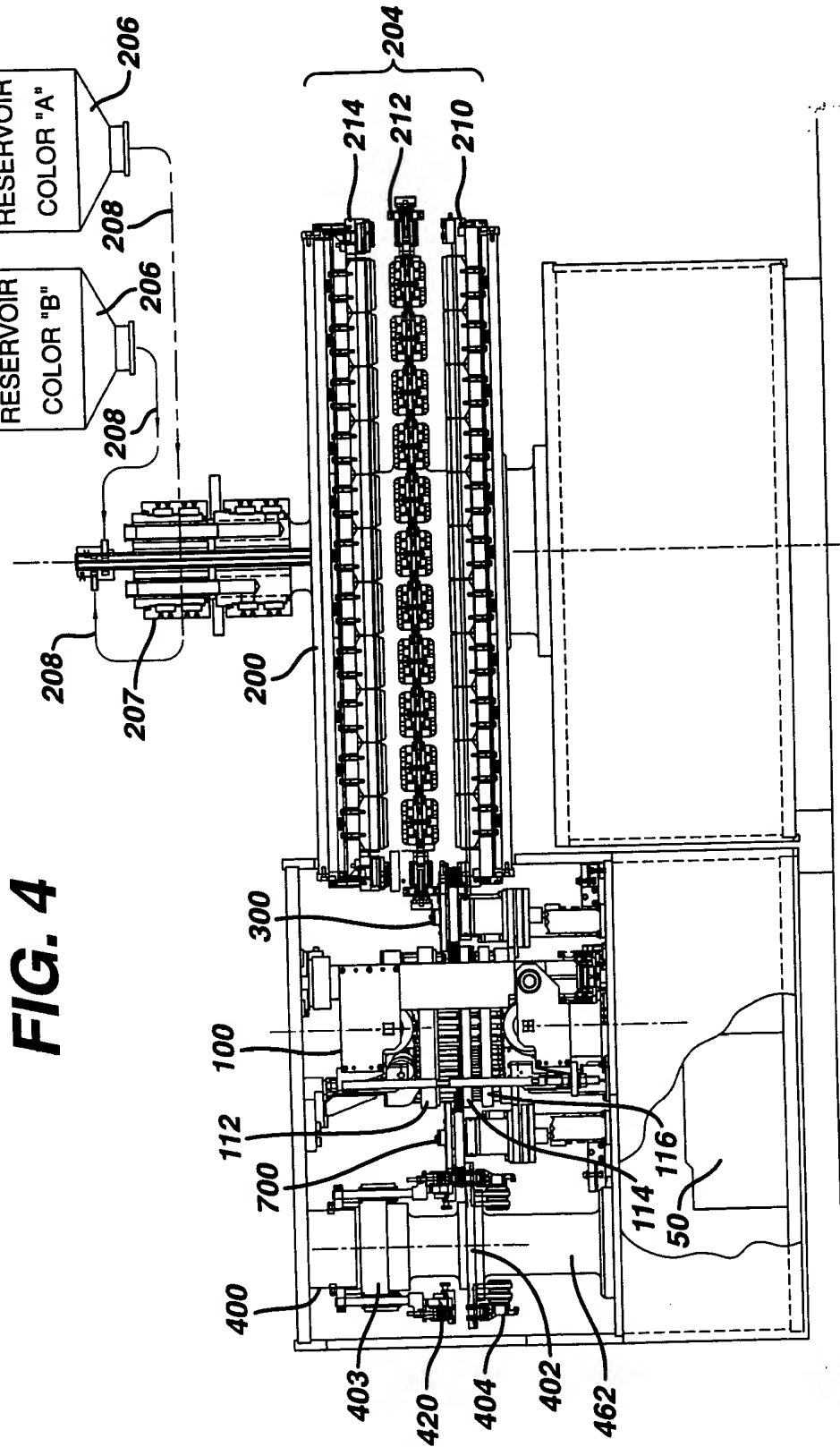


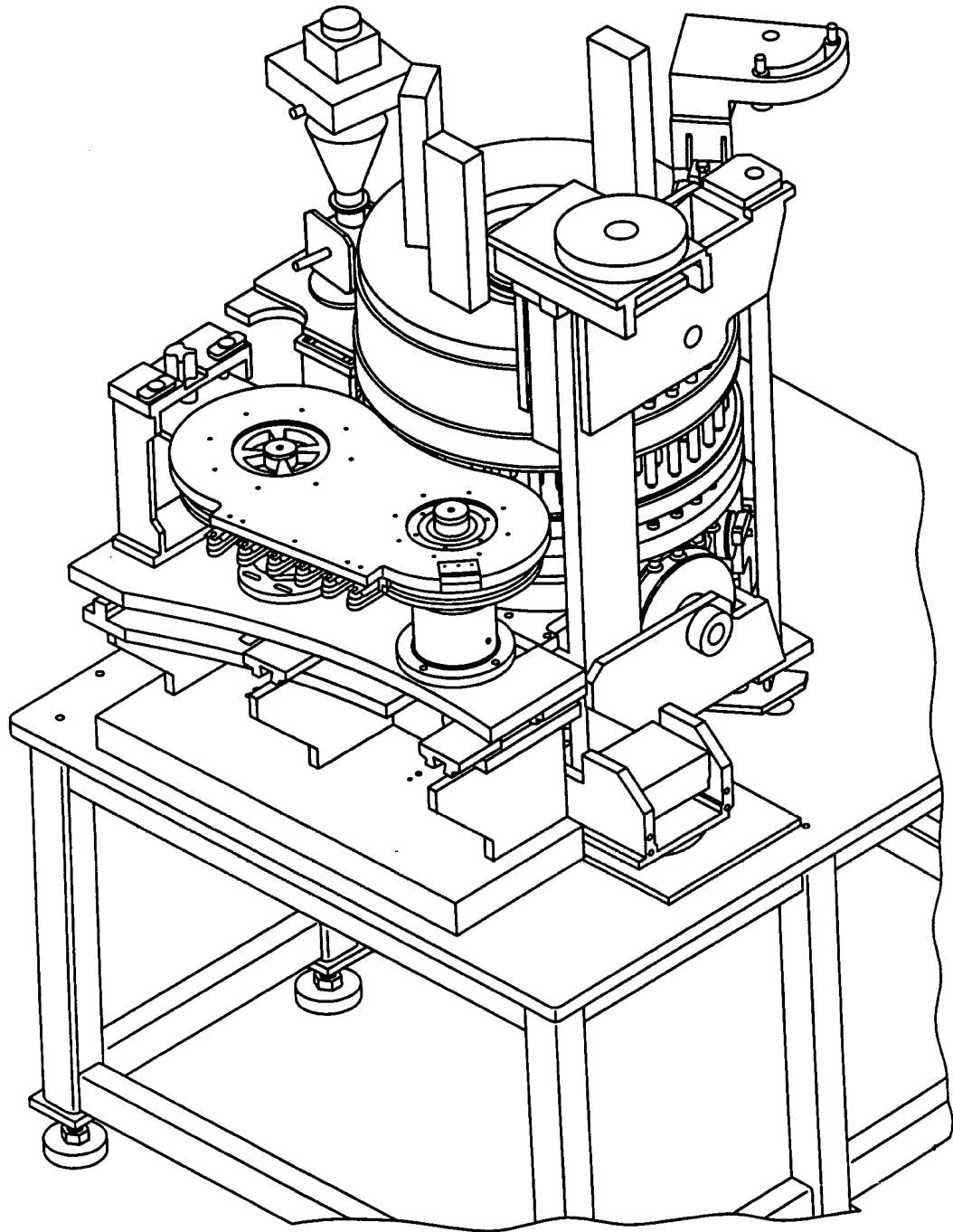
FIG. 4

20250-0099660

TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509 TEL. #: 732-524-2242
ATTY: S. E. Hayner CUST. #: 000027777
DOCKET #: MCP-0293

5/80

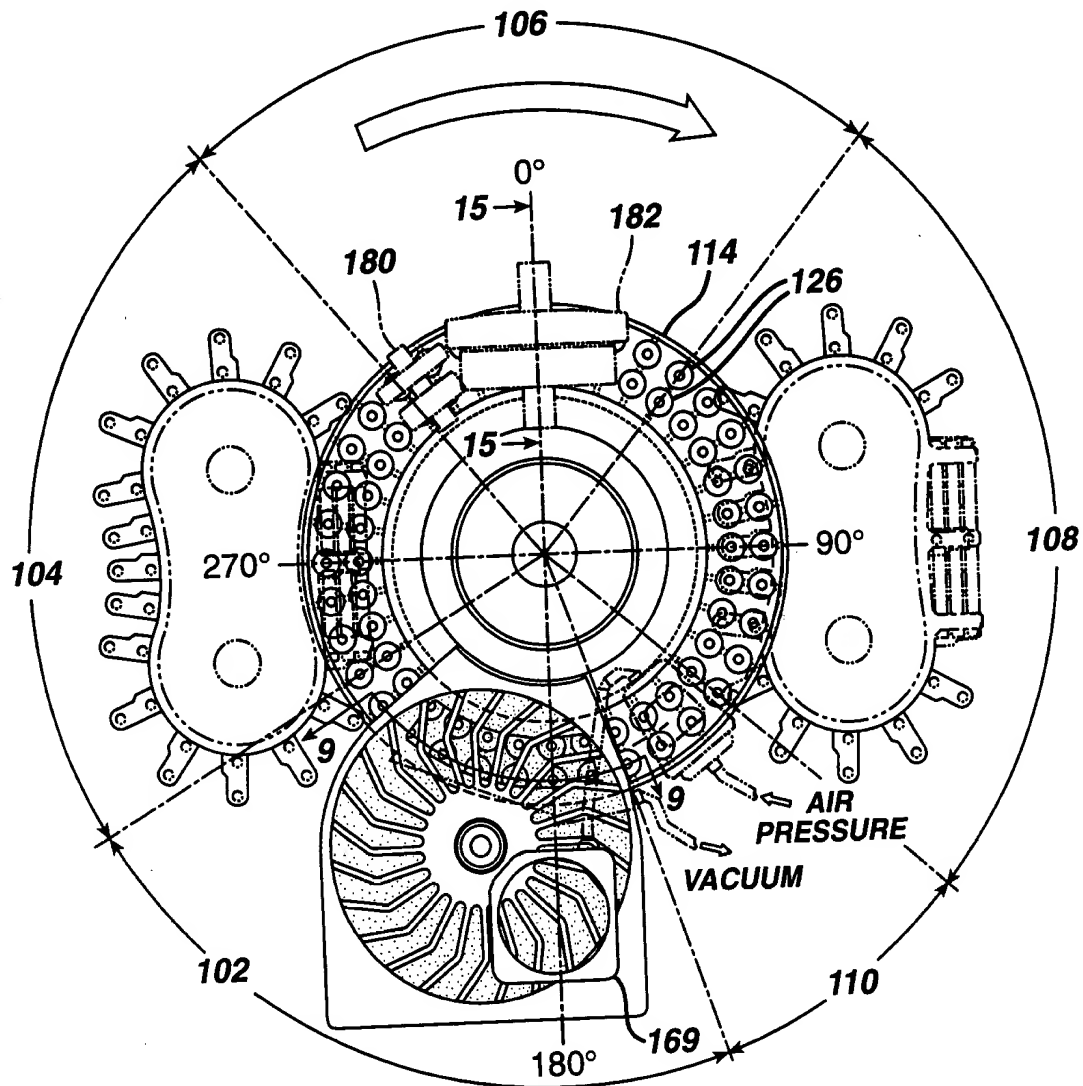
FIG. 5



202506090000

6/80

FIG. 6



TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner
DOCKET #: MCP-0293

TEL. #: 732-524-2242
CUST. #: 000027777

7/80

FIG. 7

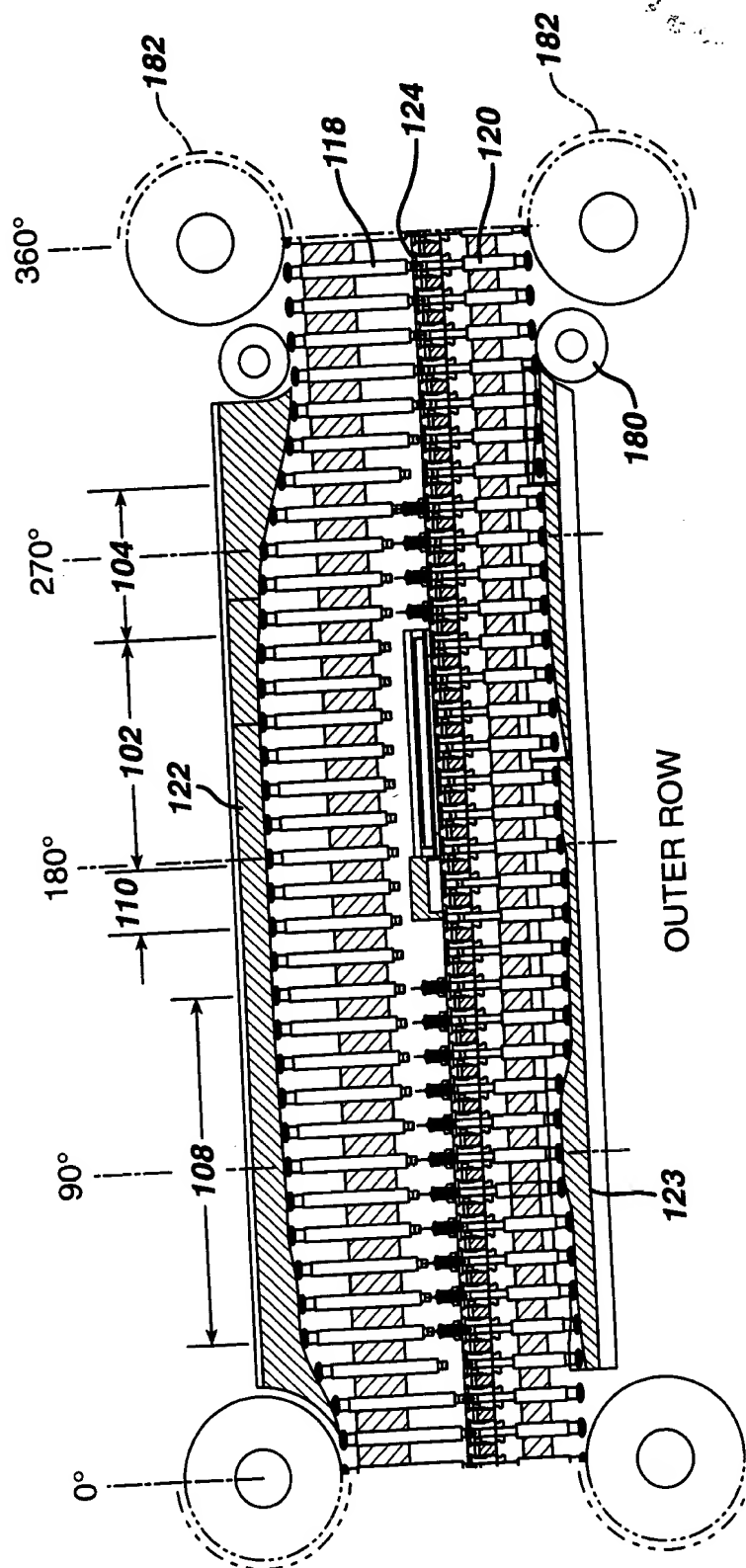
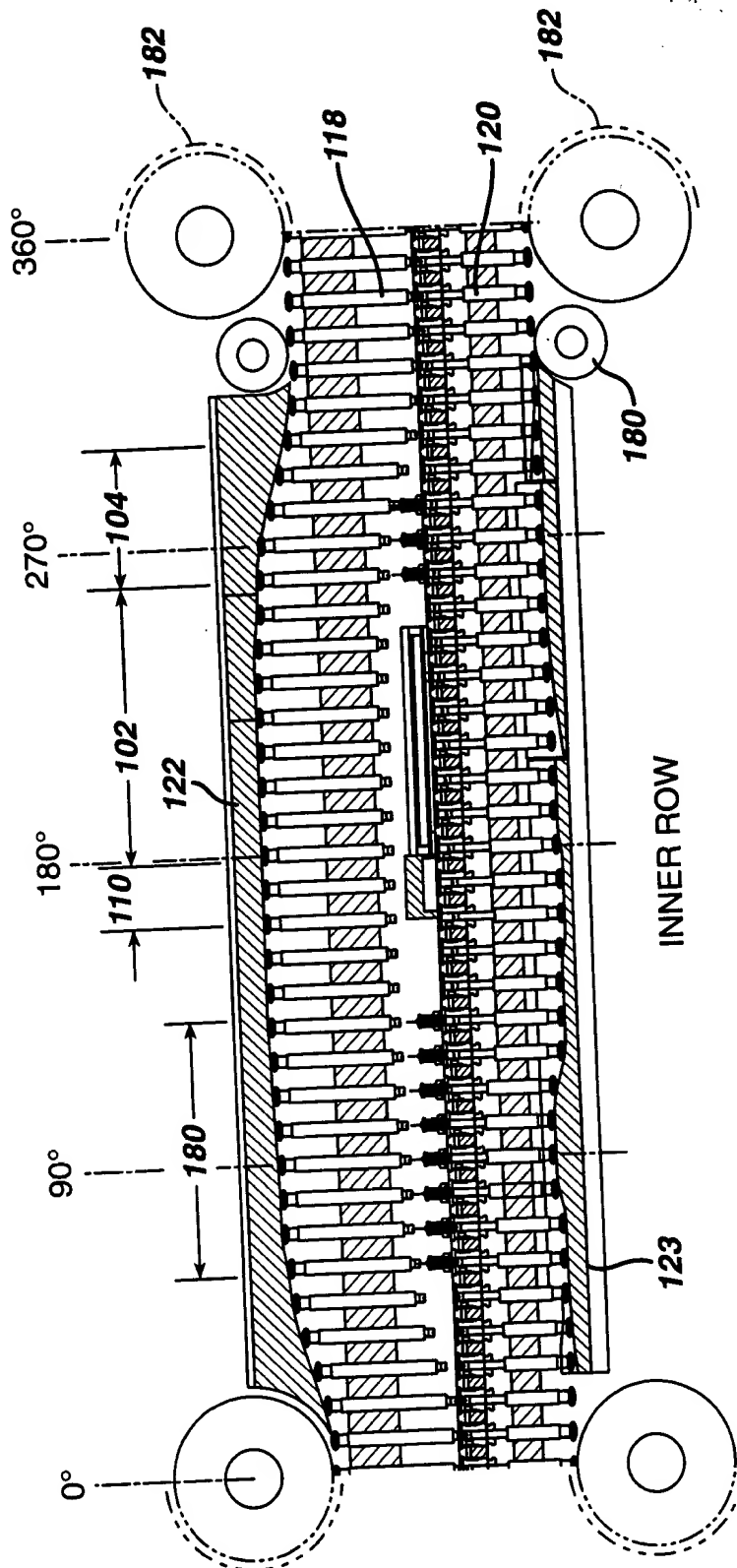
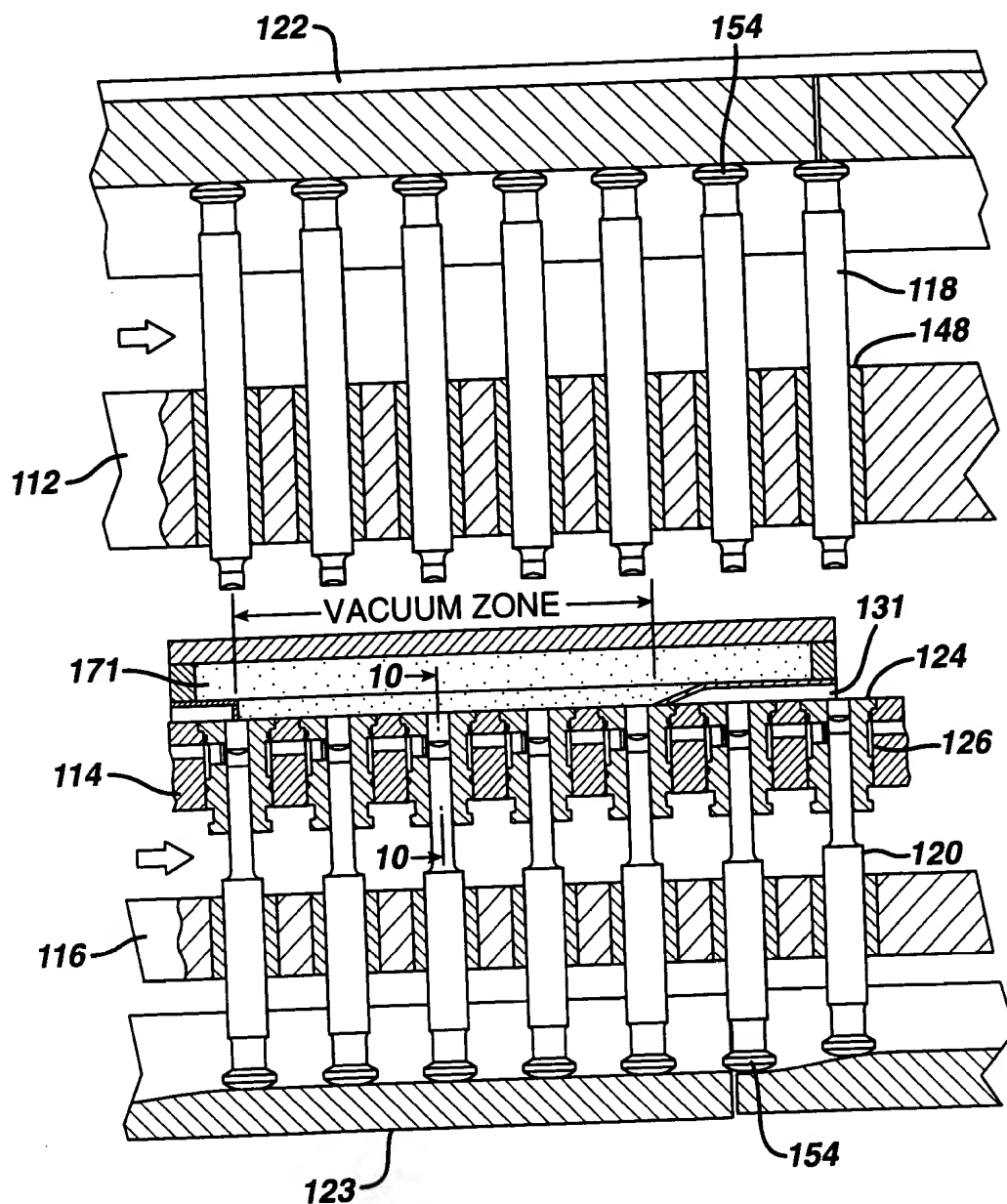


FIG. 8



9/80

FIG. 9



2025-02-09 09:00

10/80

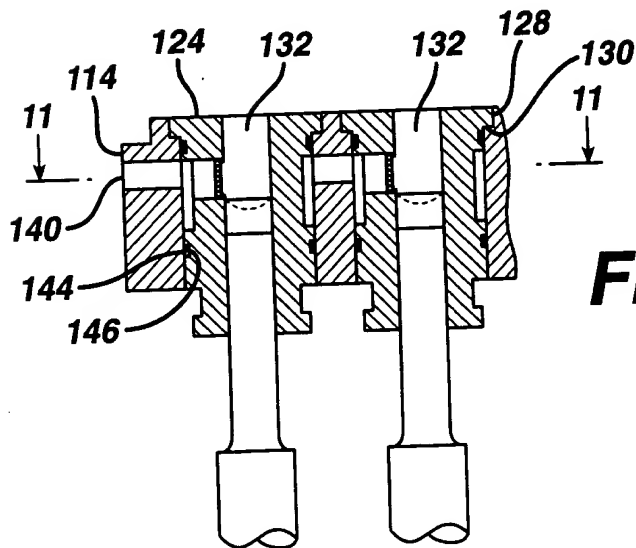


FIG. 10

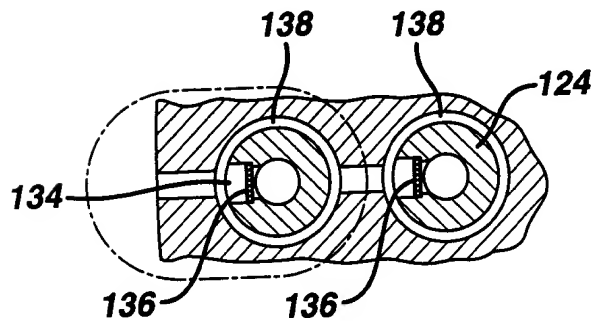


FIG. 11

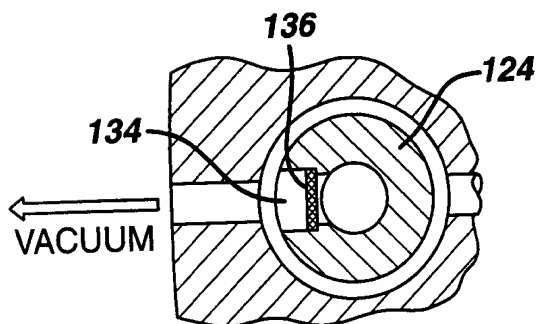


FIG. 12

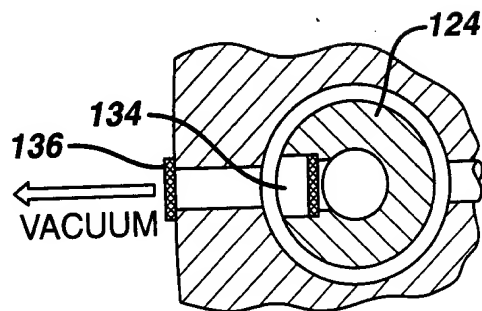
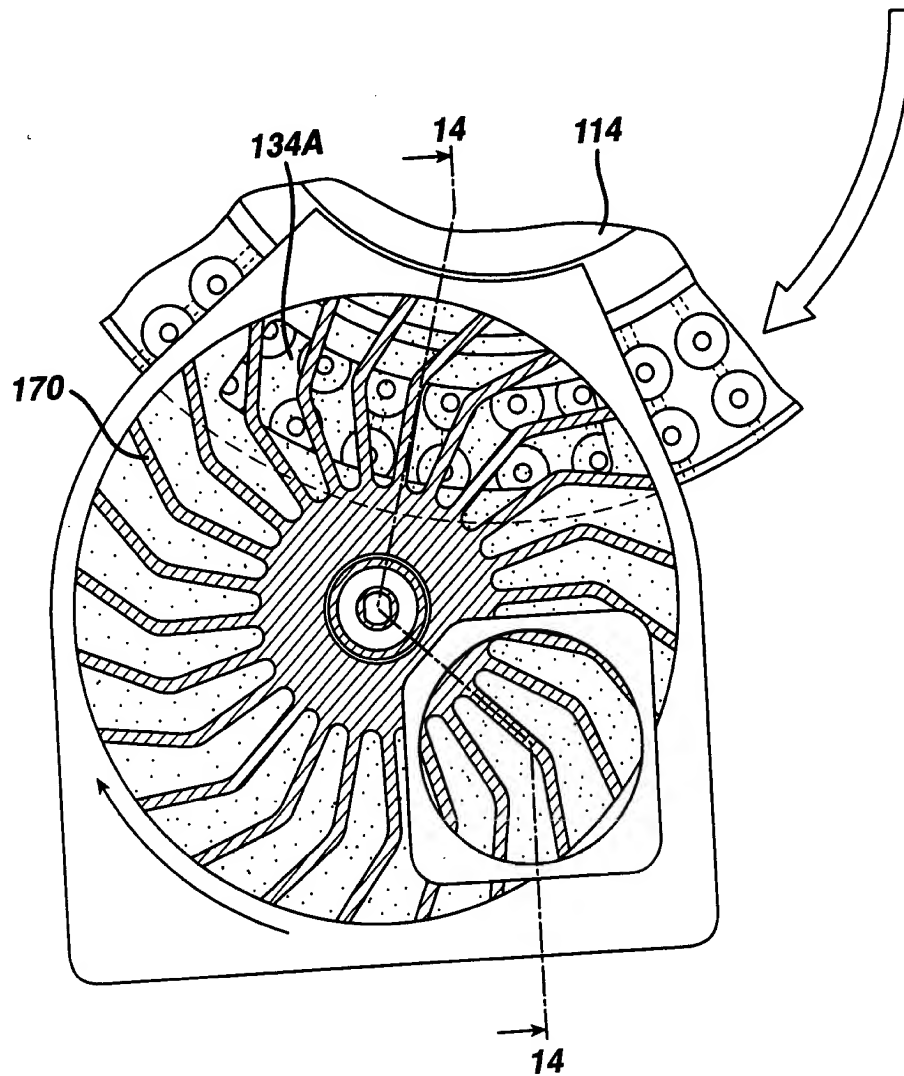


FIG. 12A

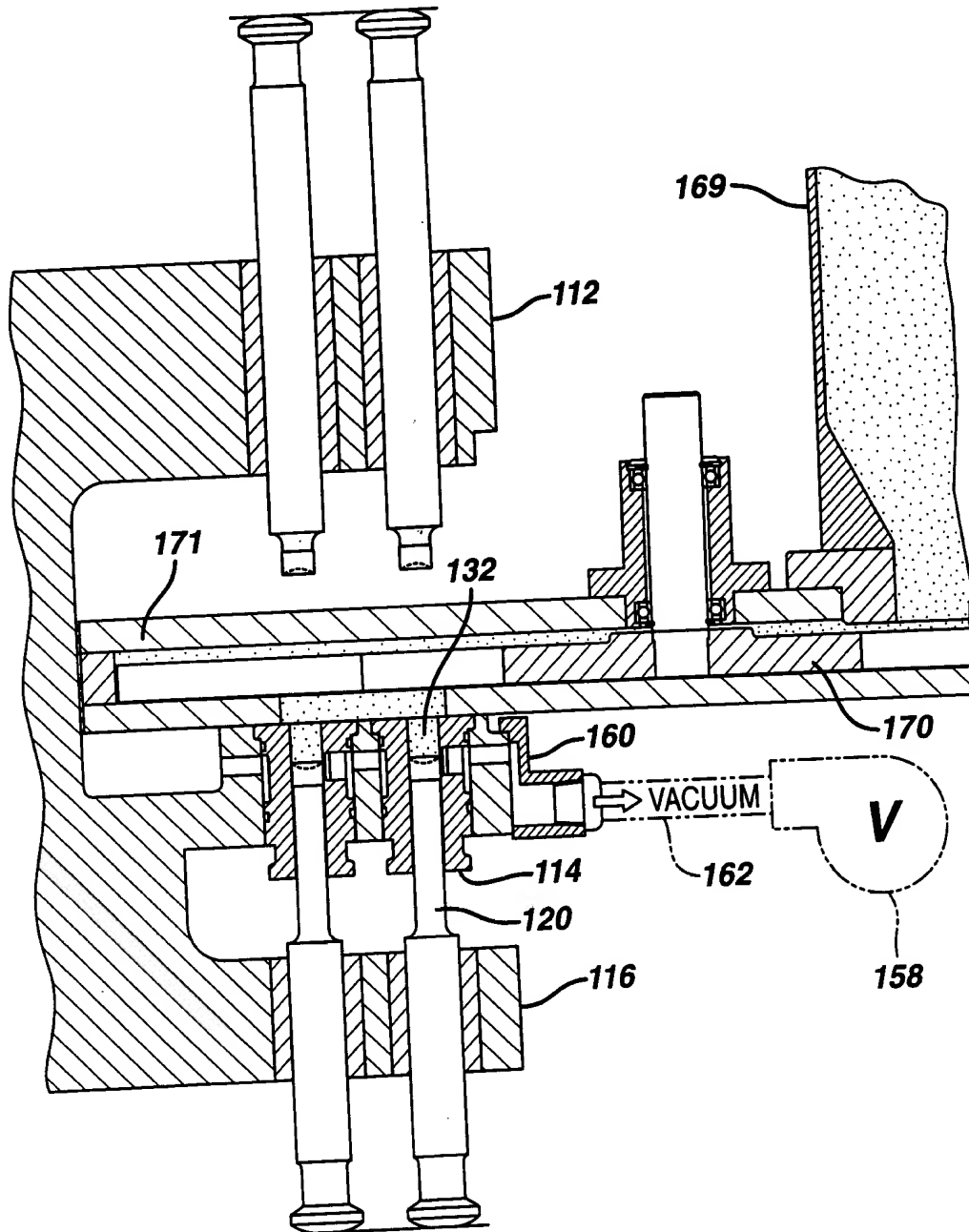
11/80

FIG. 13



12/80

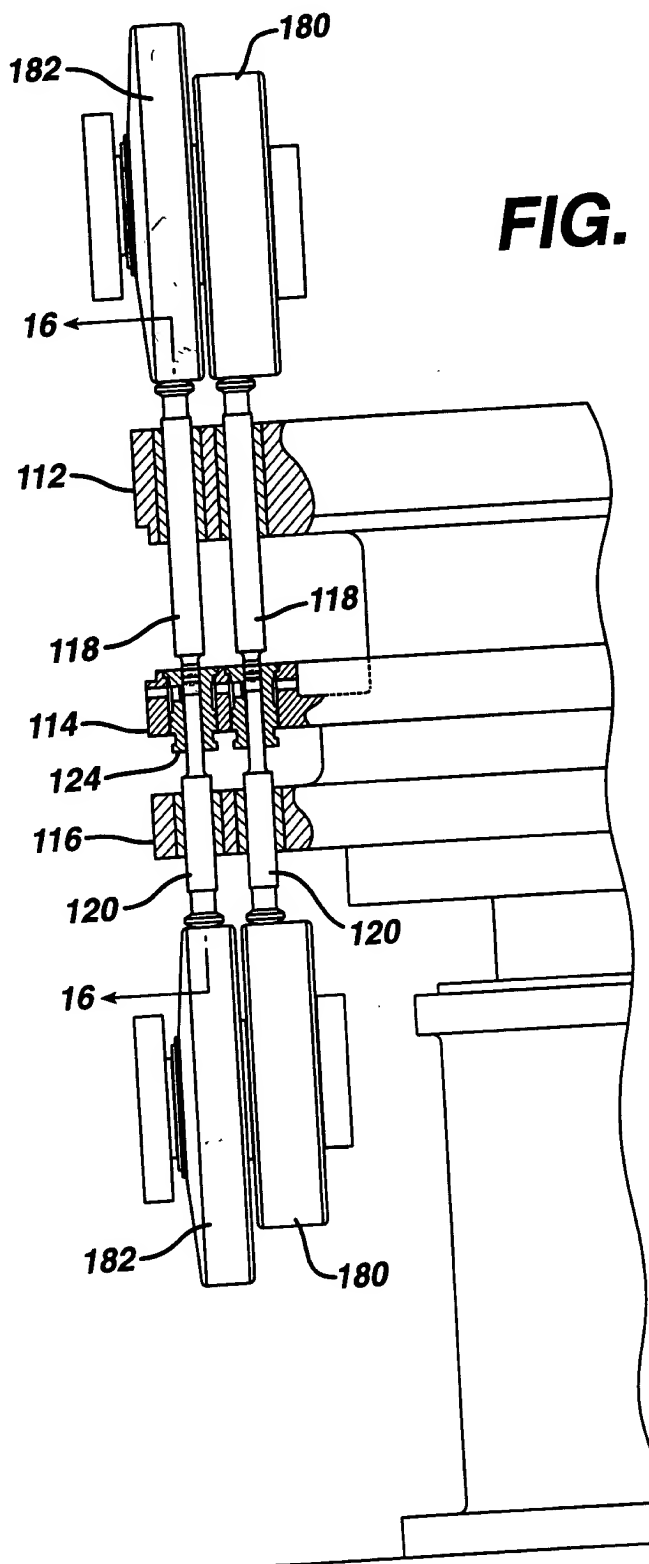
FIG. 14



200150-00993600

13/80

FIG. 15



000000-000000

14/80

FIG. 16

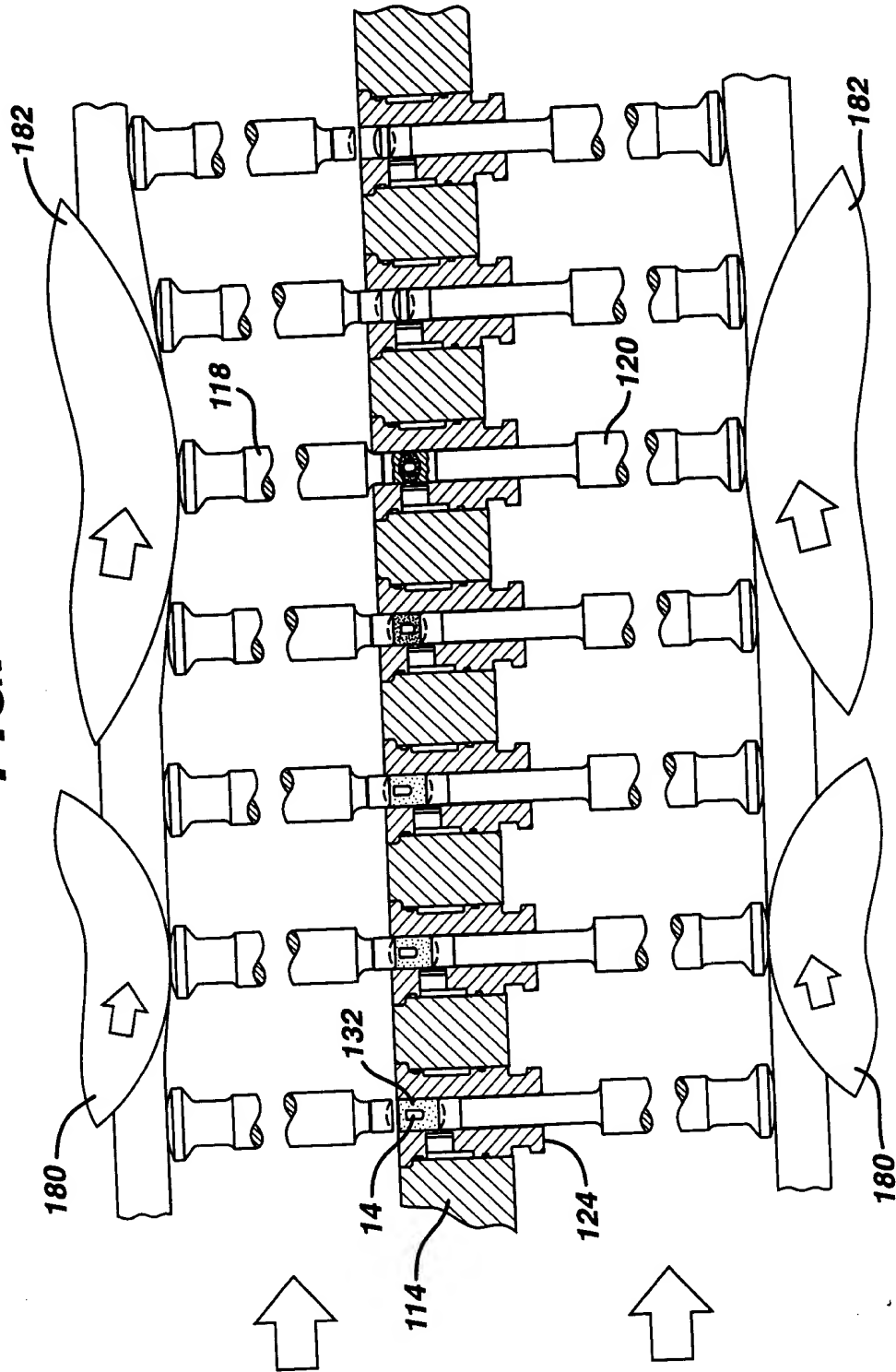
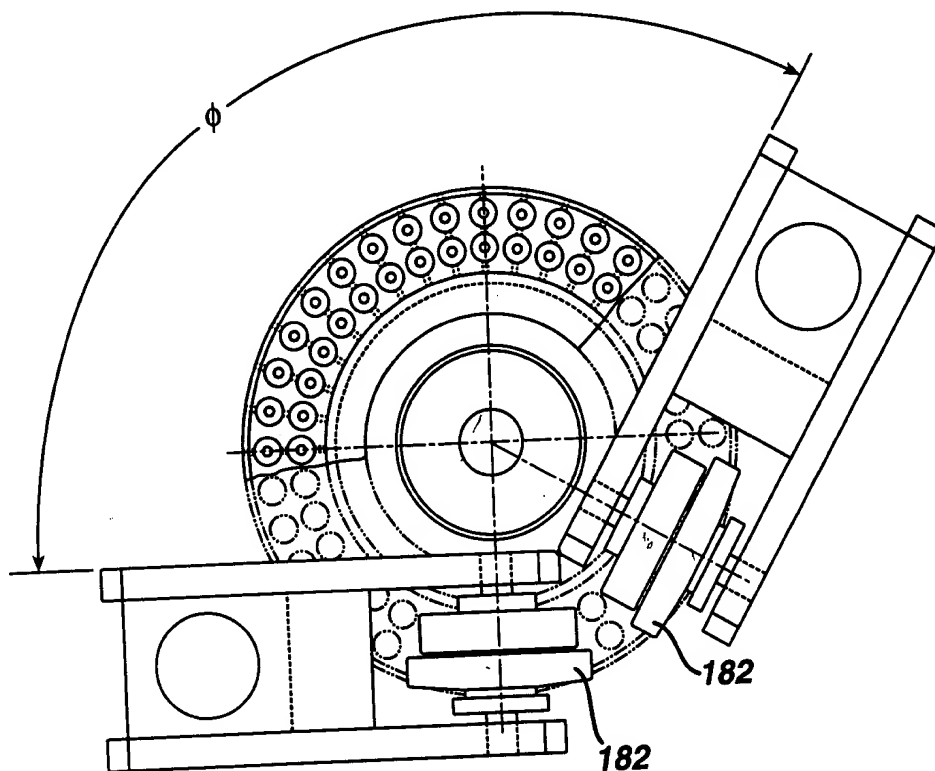


FIG. 17A



2025-09-09 09:00:00

FIG. 17C

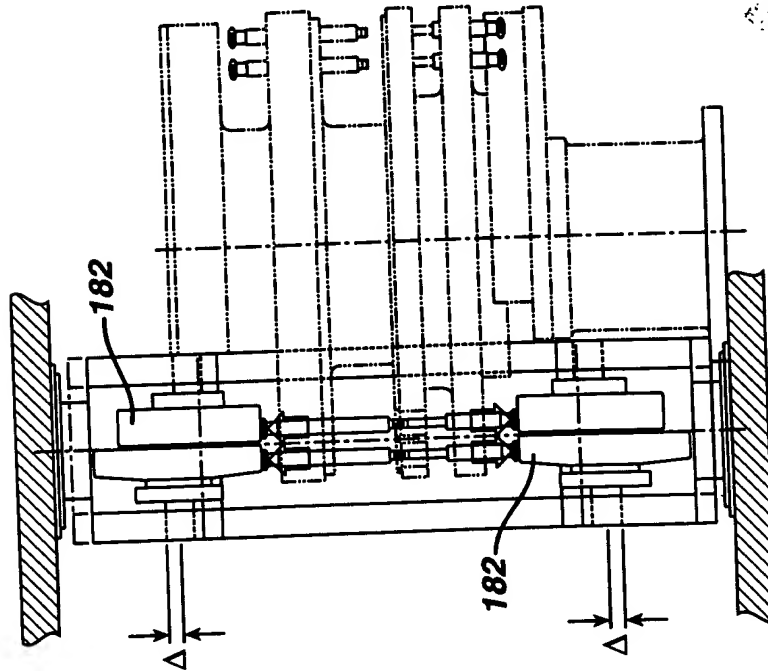
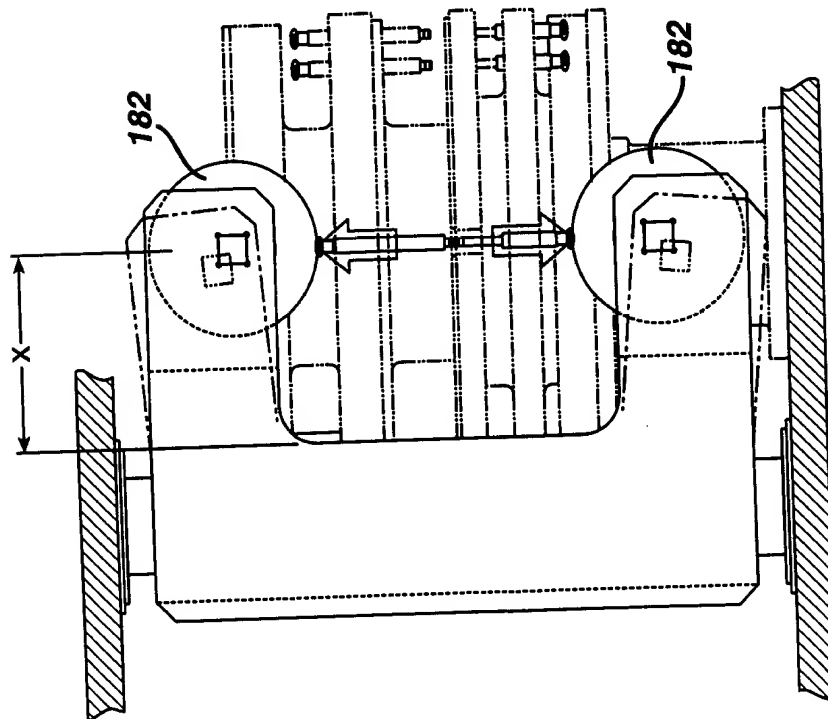


FIG. 17B



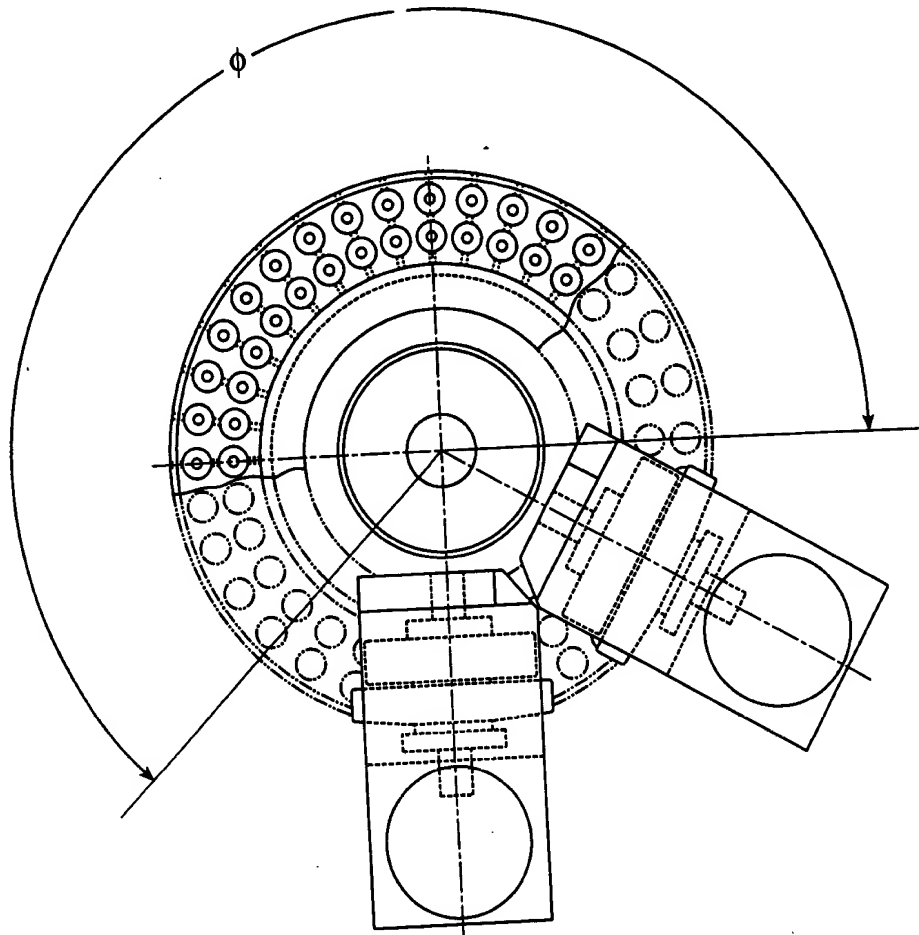
2025-06-06 09:59:59

TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner
DOCKET #: MCP-0293

TEL. #: 732-524-2242
CUST. #: 000027777

17/80

FIG. 18A



000000-000000

FIG. 18C

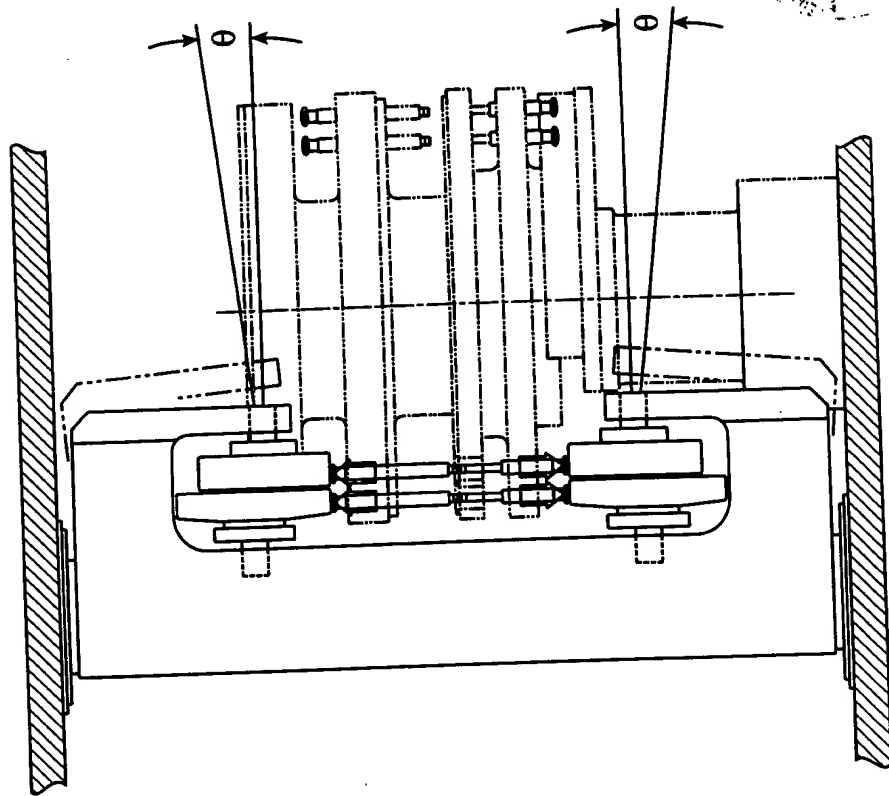
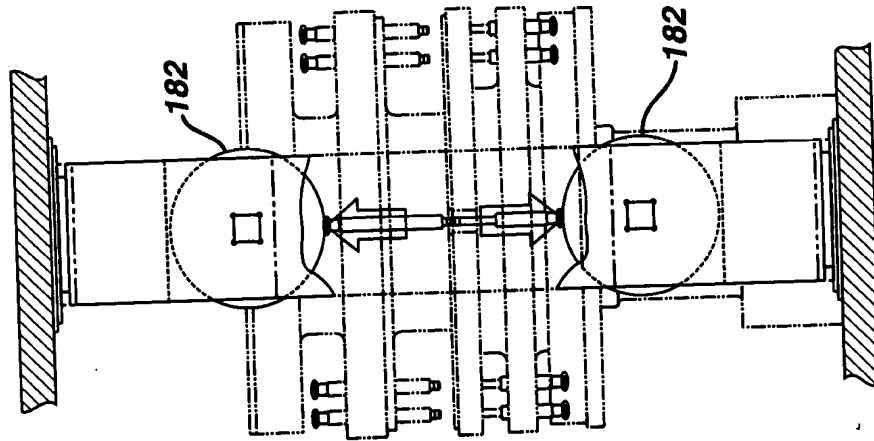


FIG. 18B

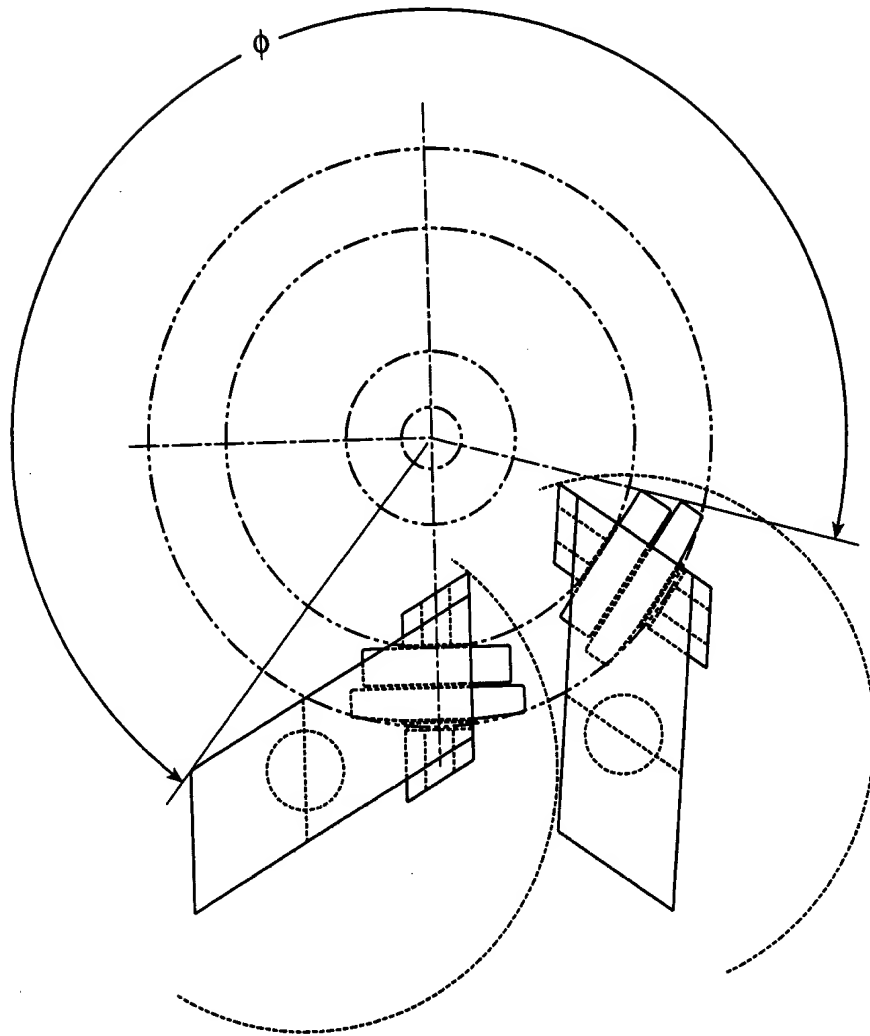


202150-00999660

TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0293 CUST. #: 000027777

19/80

FIG. 19A



000027777

20/80

FIG. 19C

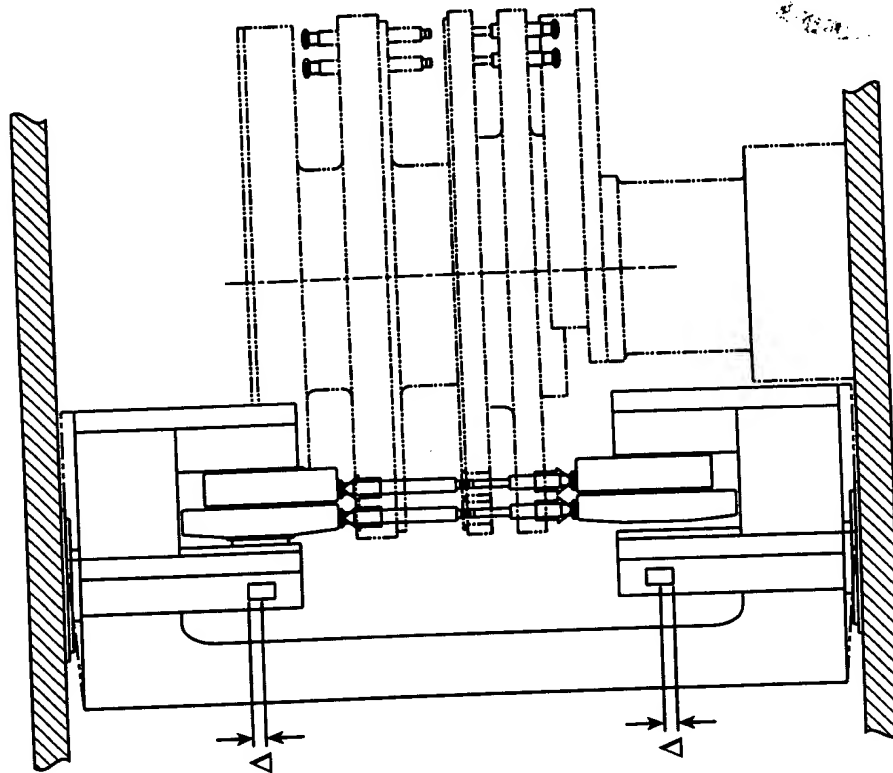
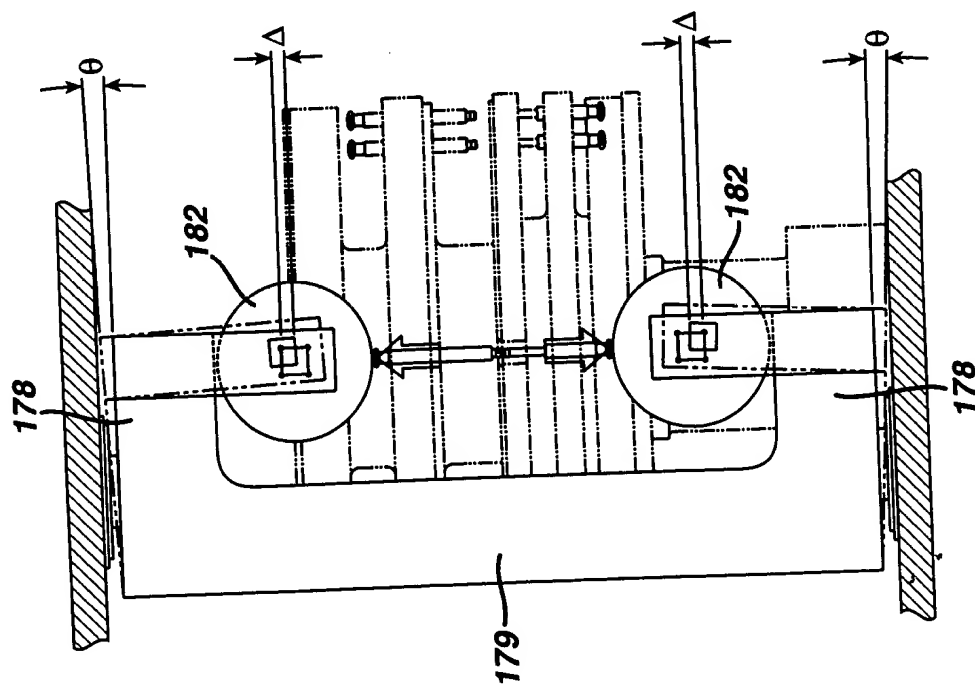


FIG. 19B



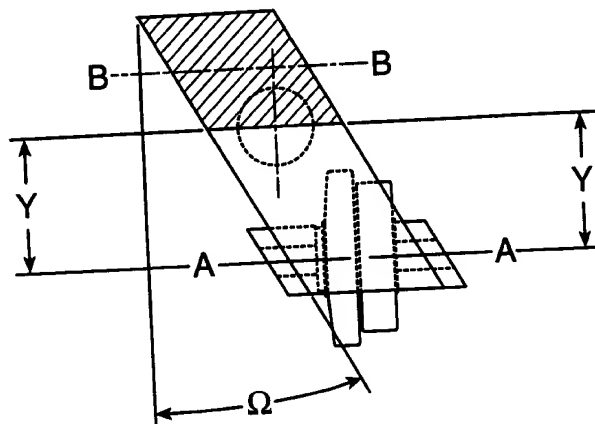
202507060555600

TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner
DOCKET #: MCP-0293

TEL. #: 732-524-2242
CUST. #: 00002777

21/80

FIG. 19D



00002777 MCP-0293

22/80

FIG. 20

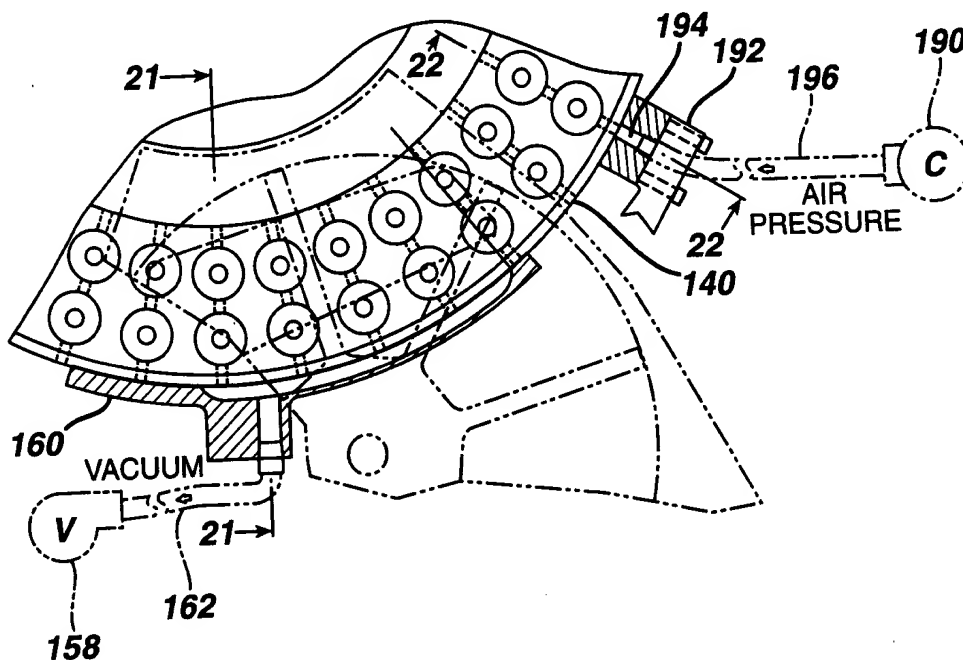


FIG. 21

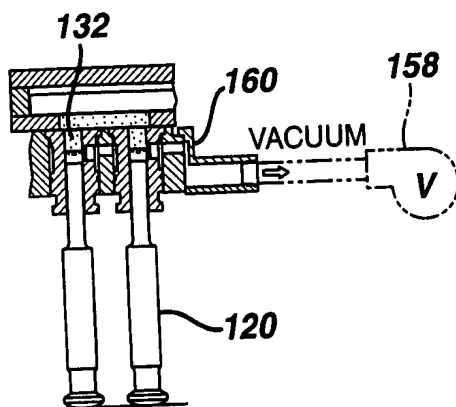
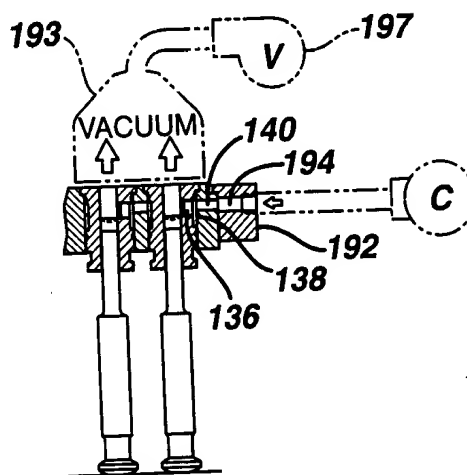
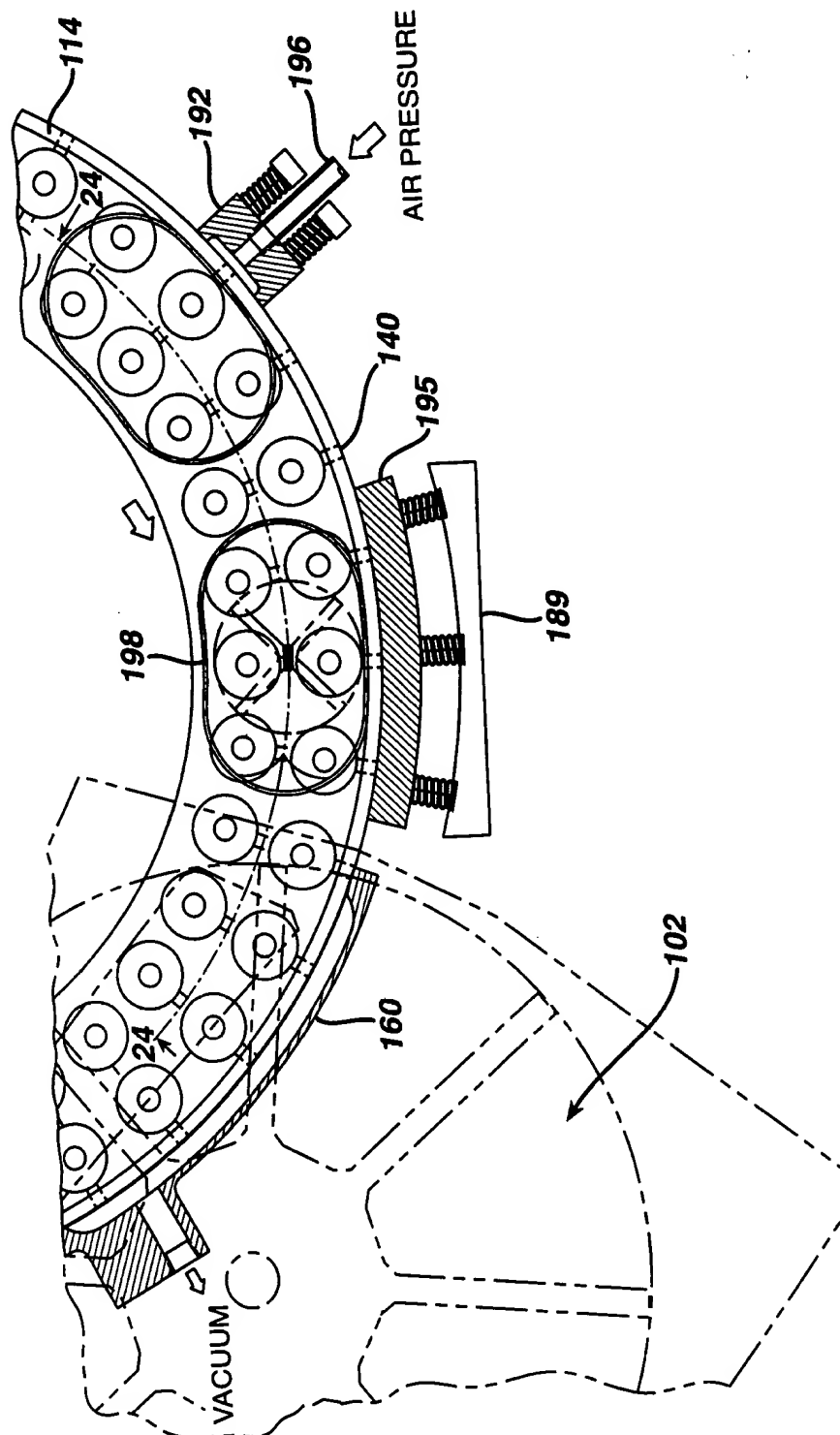


FIG. 22



23/80

FIG. 23

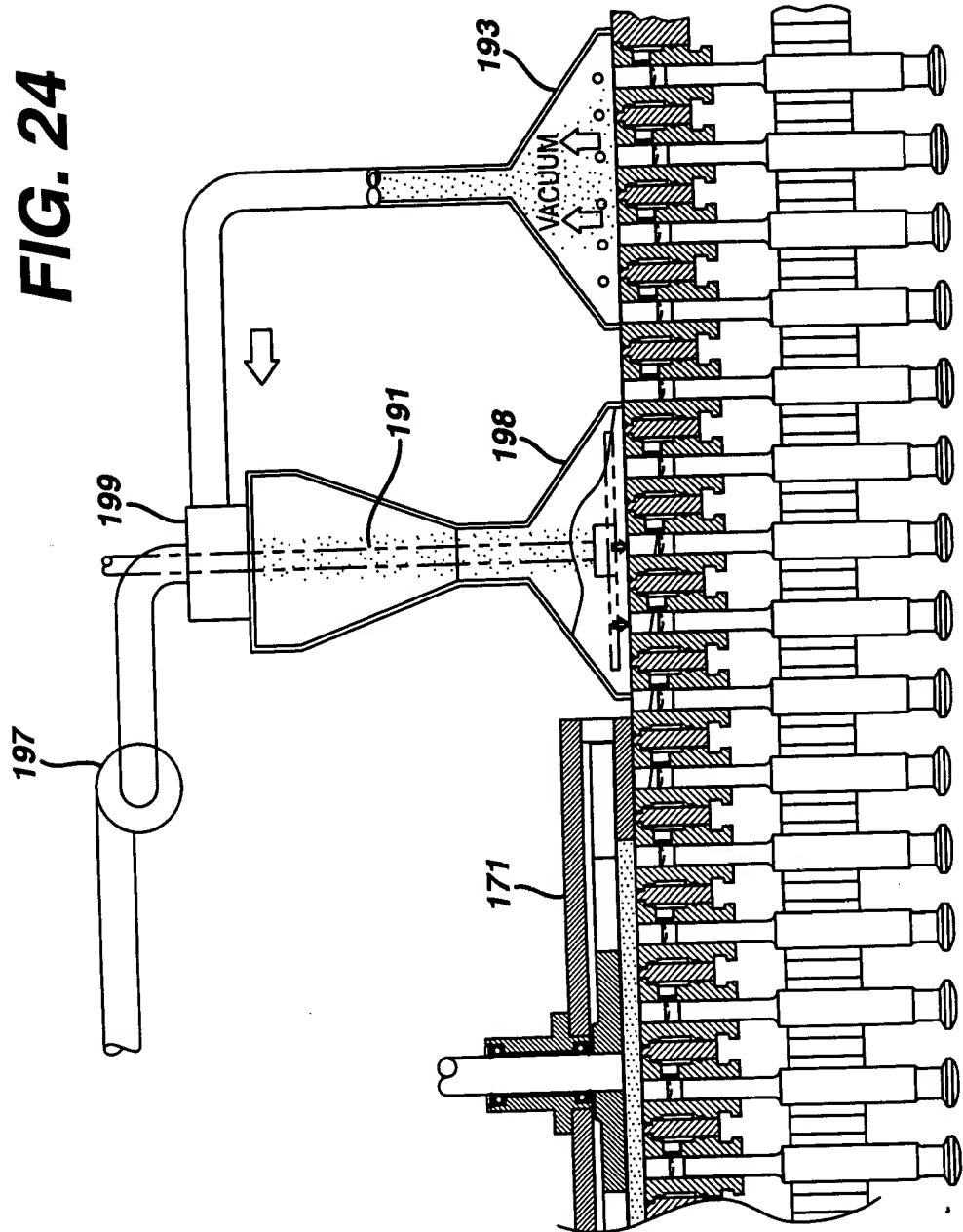


TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner
DOCKET #: MCP-0293

TEL. #: 732-524-2242
CUST. #: 000027777

24/80

FIG. 24



25/80

FIG. 25

197

169

125

171

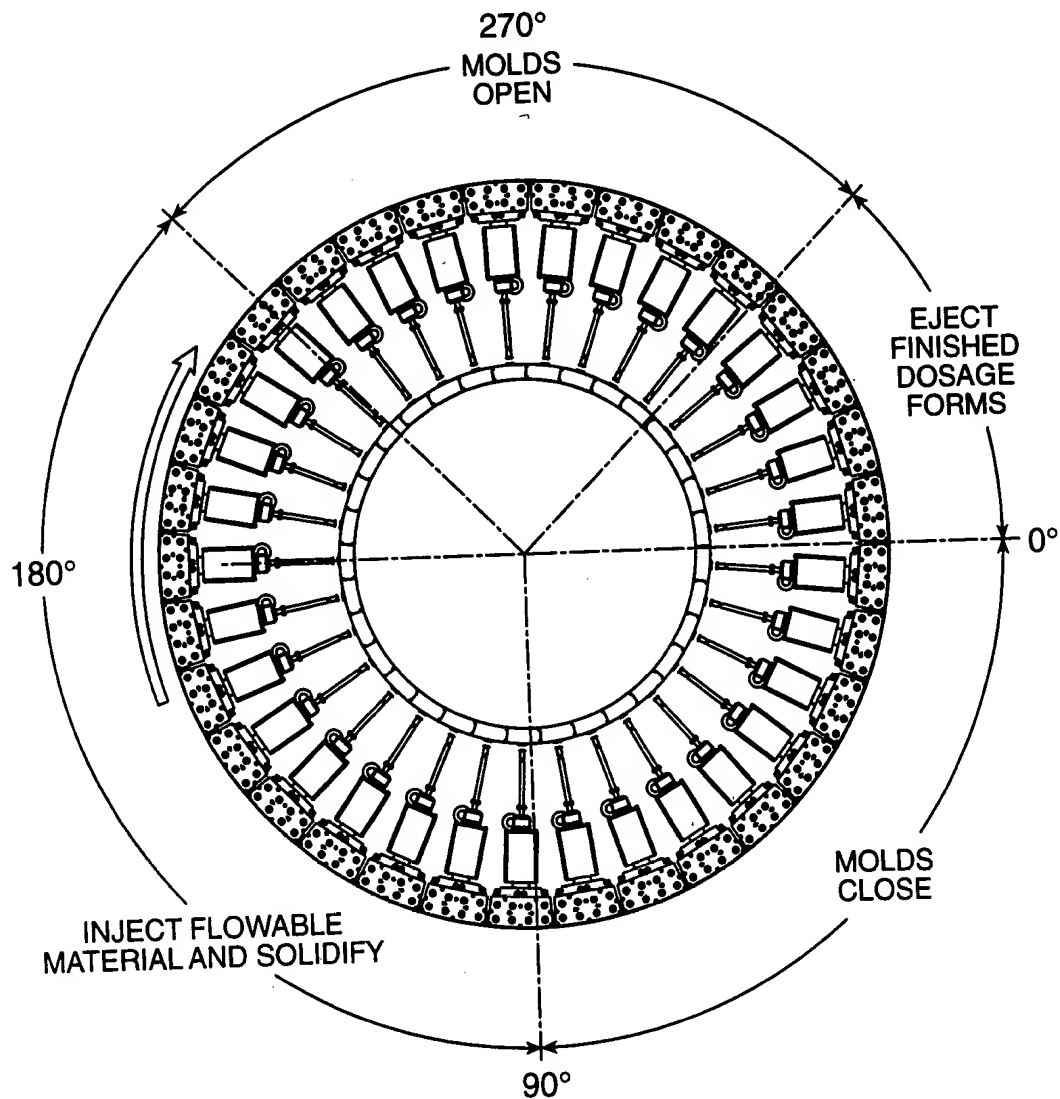
199

102

193

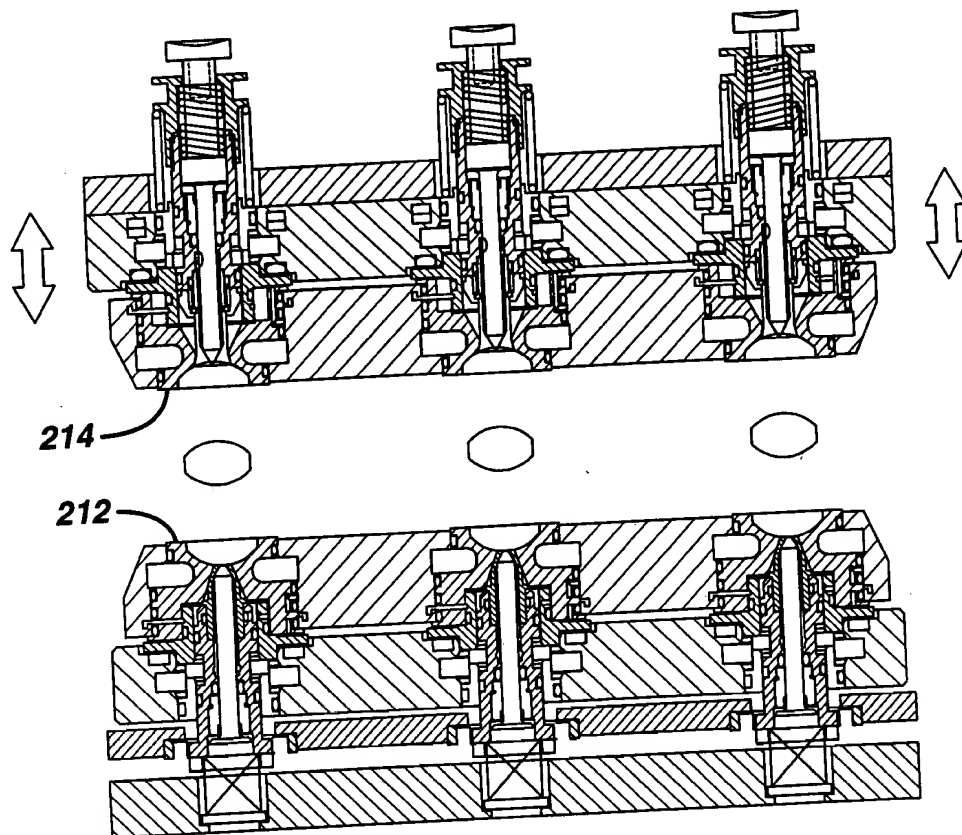
VACUUM

26/80

[illegible]

28/80

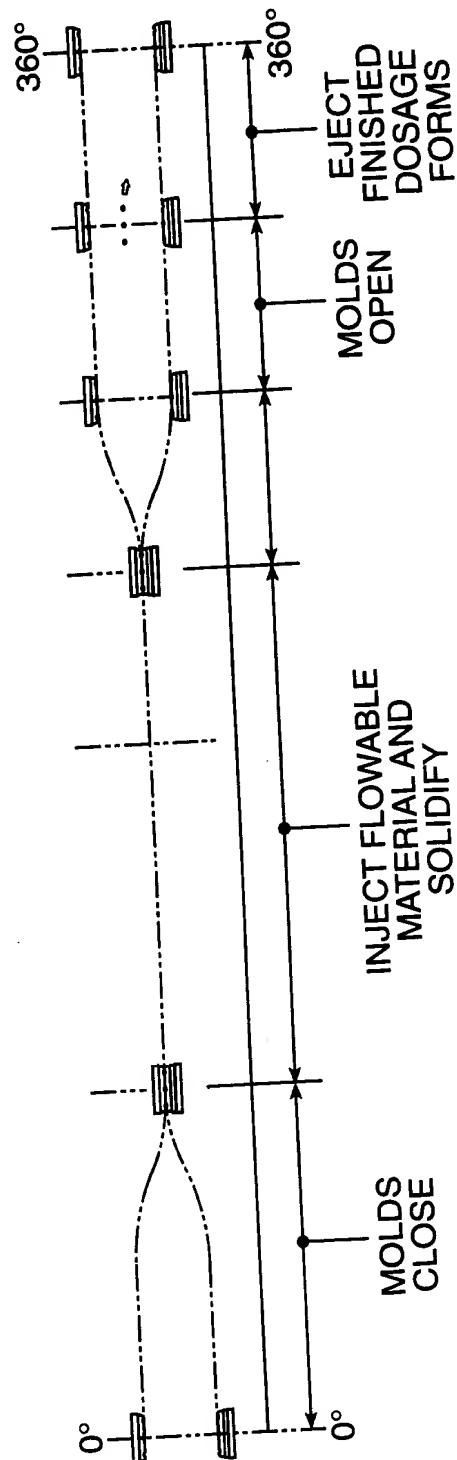
FIG. 26C



2025-05-09 10:00:00

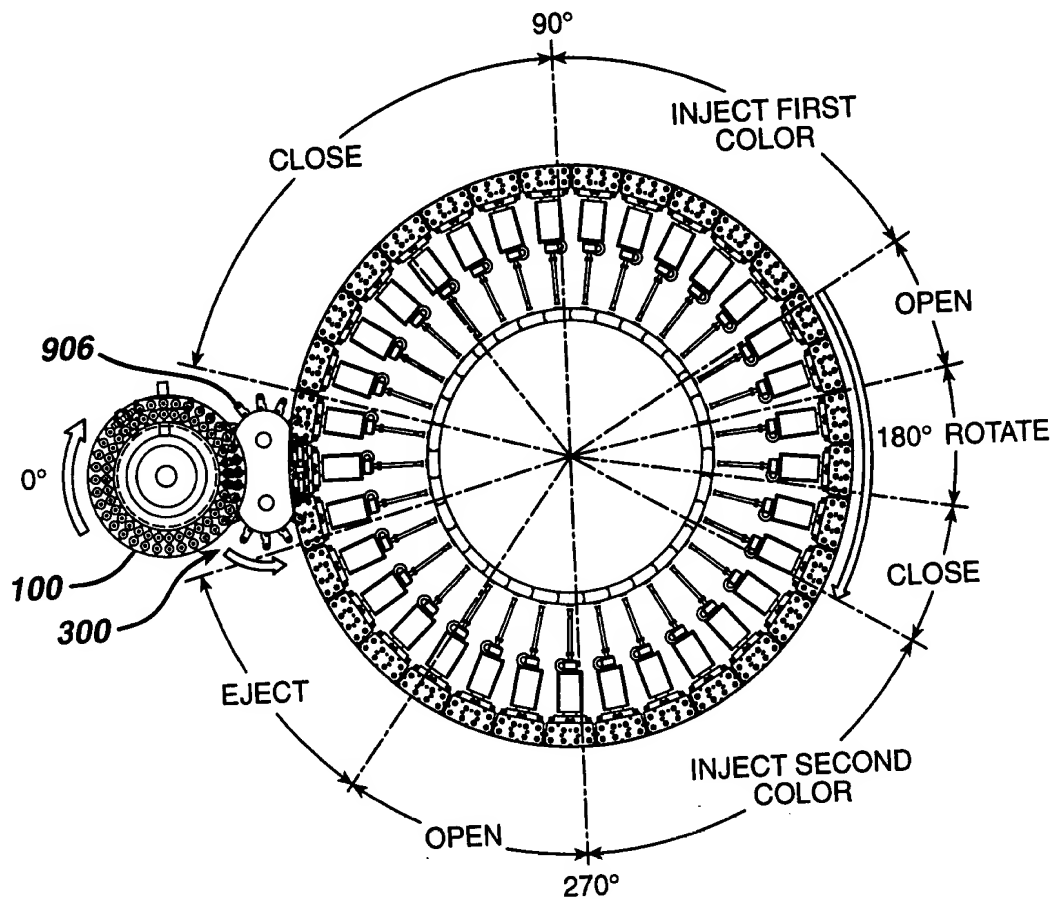
27/80

FIG. 26B



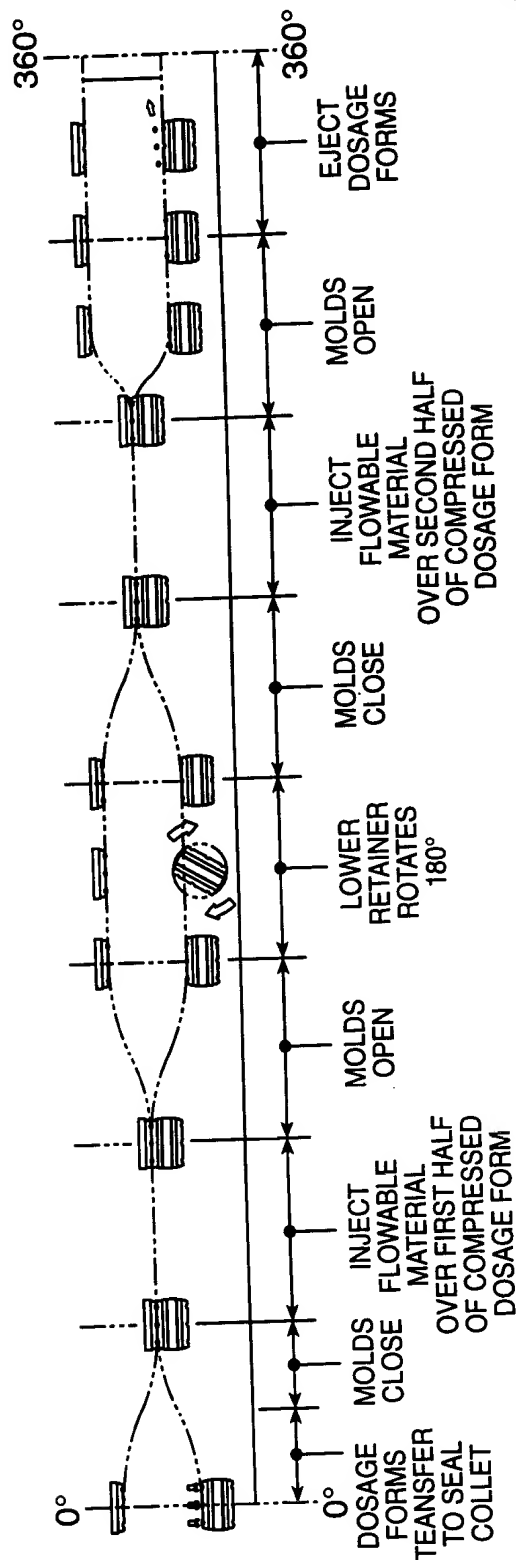
29/80

FIG. 27A



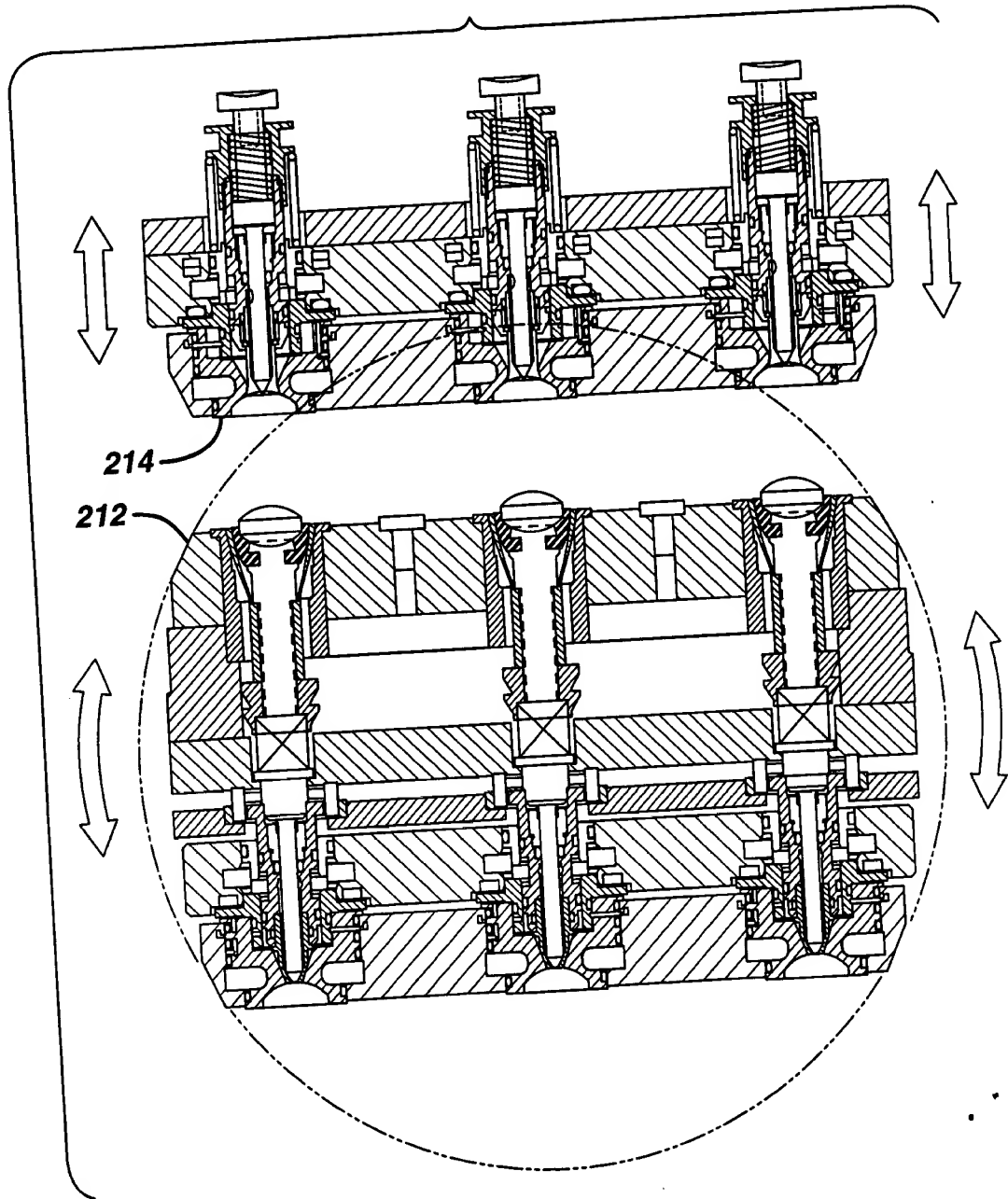
30/80

FIG. 27B



31/80

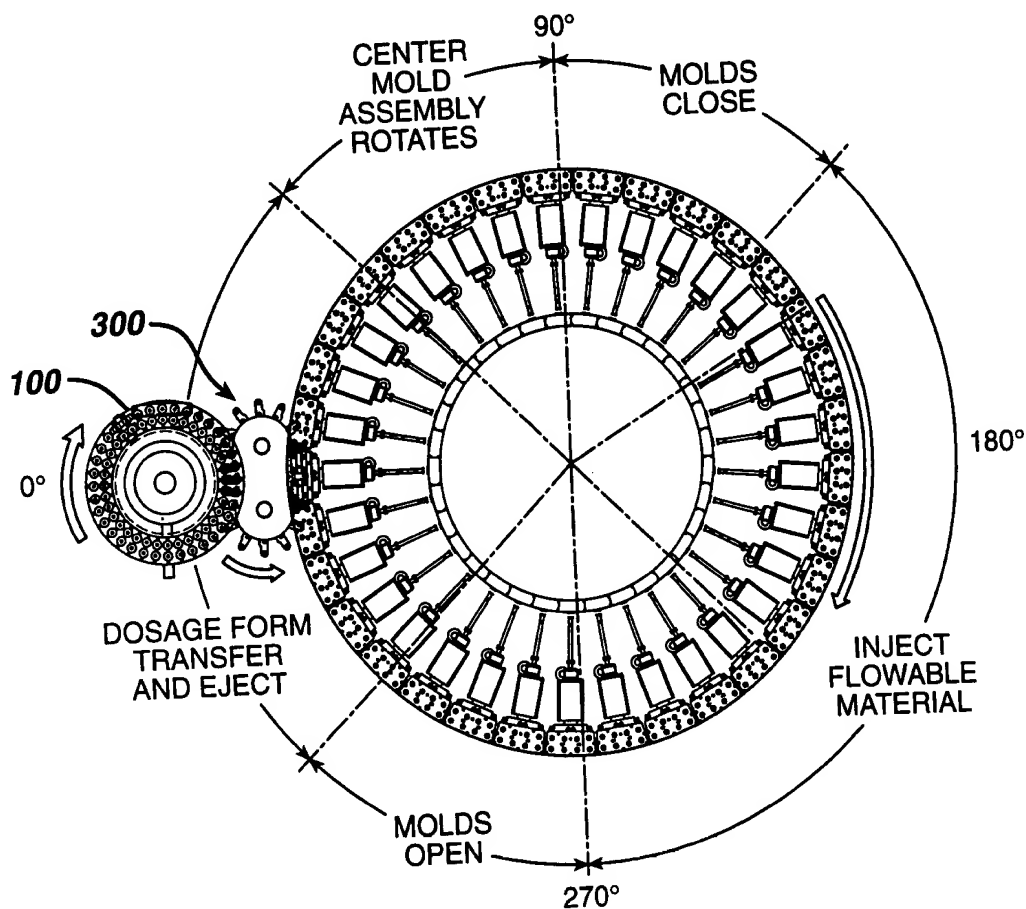
FIG. 27C



202501005500

32/80

FIG. 28A



202501 00999600

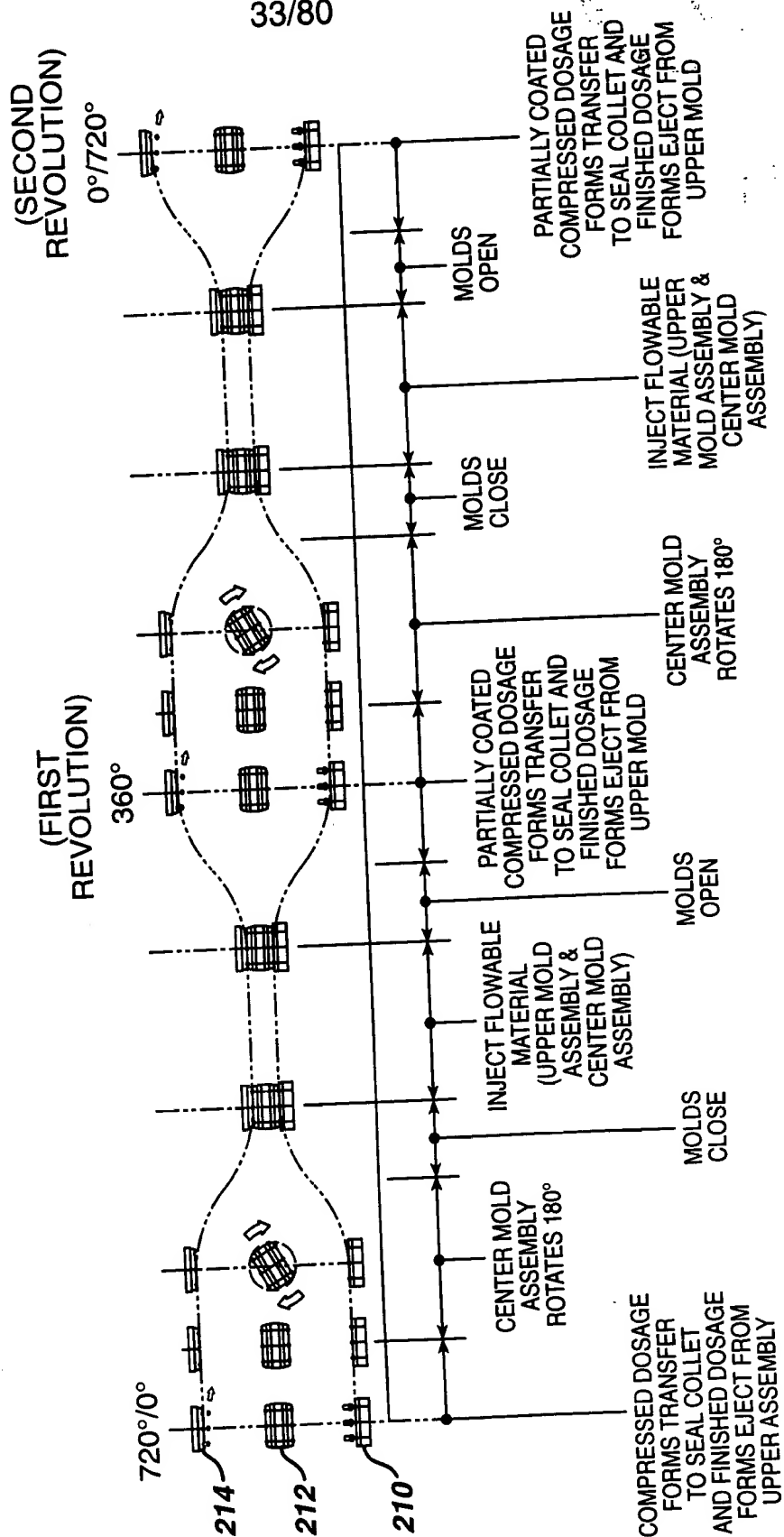
20250-6059600

TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner
DOCKET #: MCP-0293

TEL. #: 732-524-2242
CUST. #: 000027777

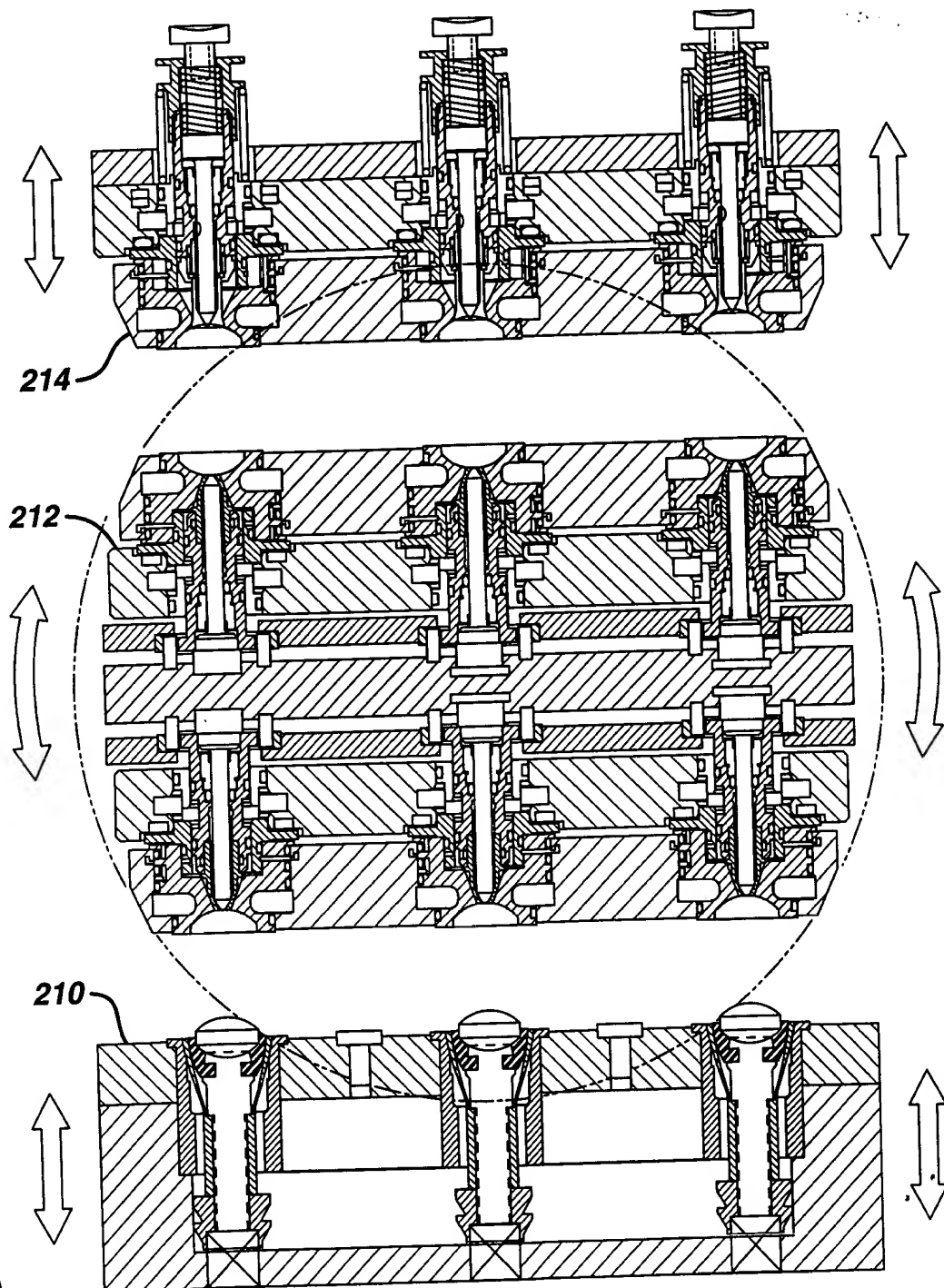
33/80

FIG. 28B



34/80

FIG. 28C



2025 RELEASE UNDER E.O. 14176

TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner
DOCKET #: MCP-0293

TEL. #: 732-524-2242
CUST. #: 000027777

35/80

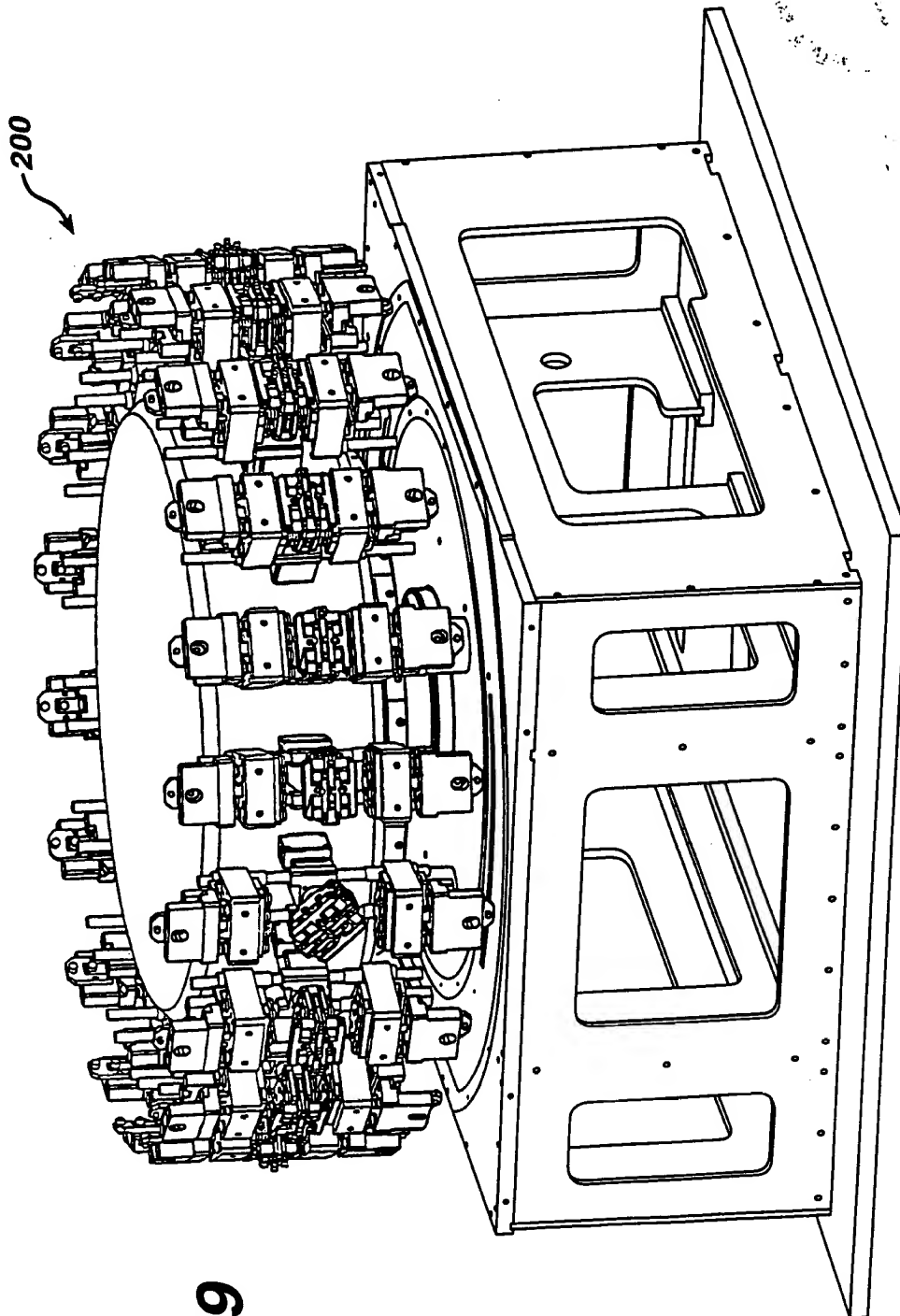
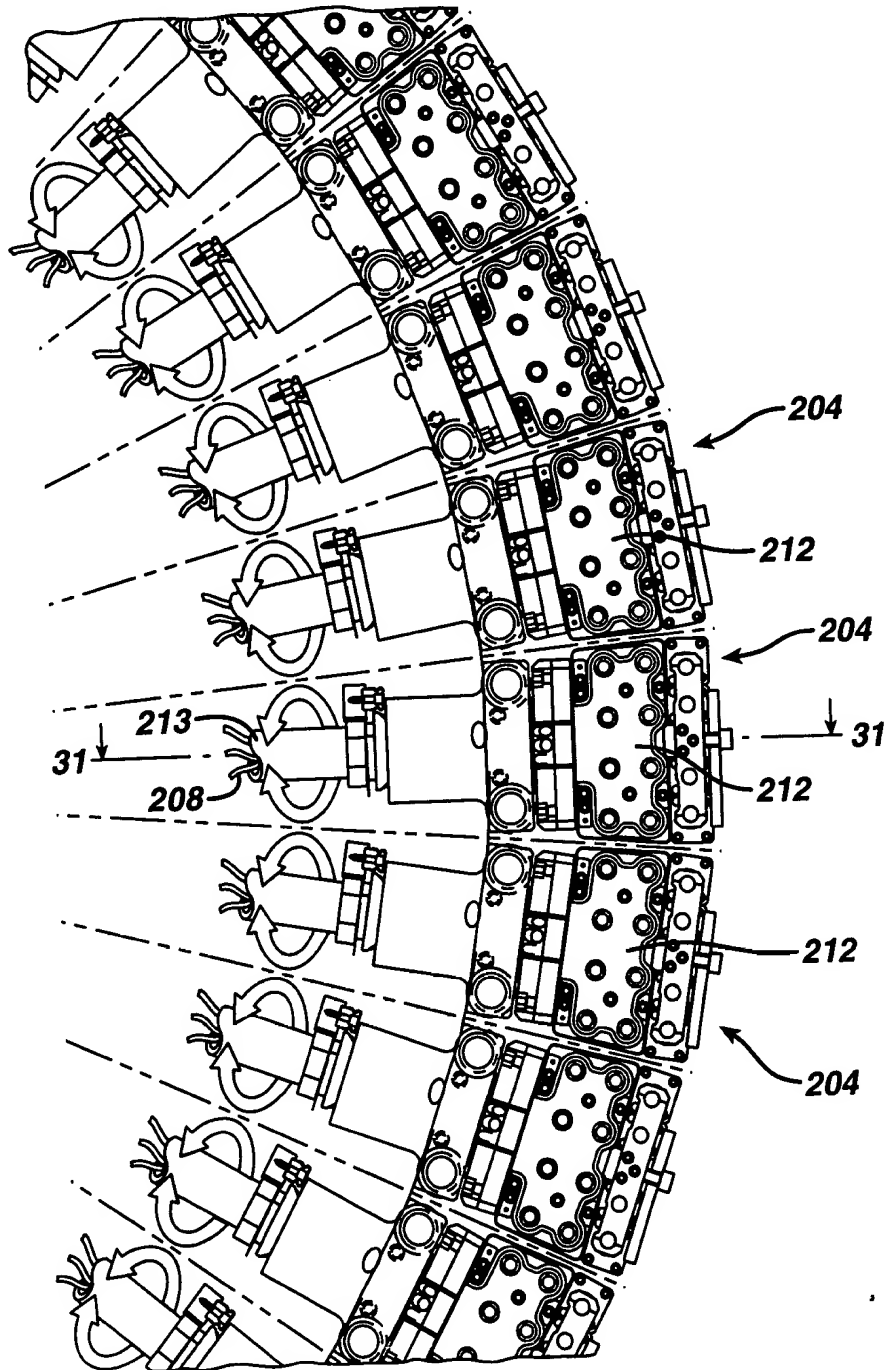


FIG. 29

200

36/80

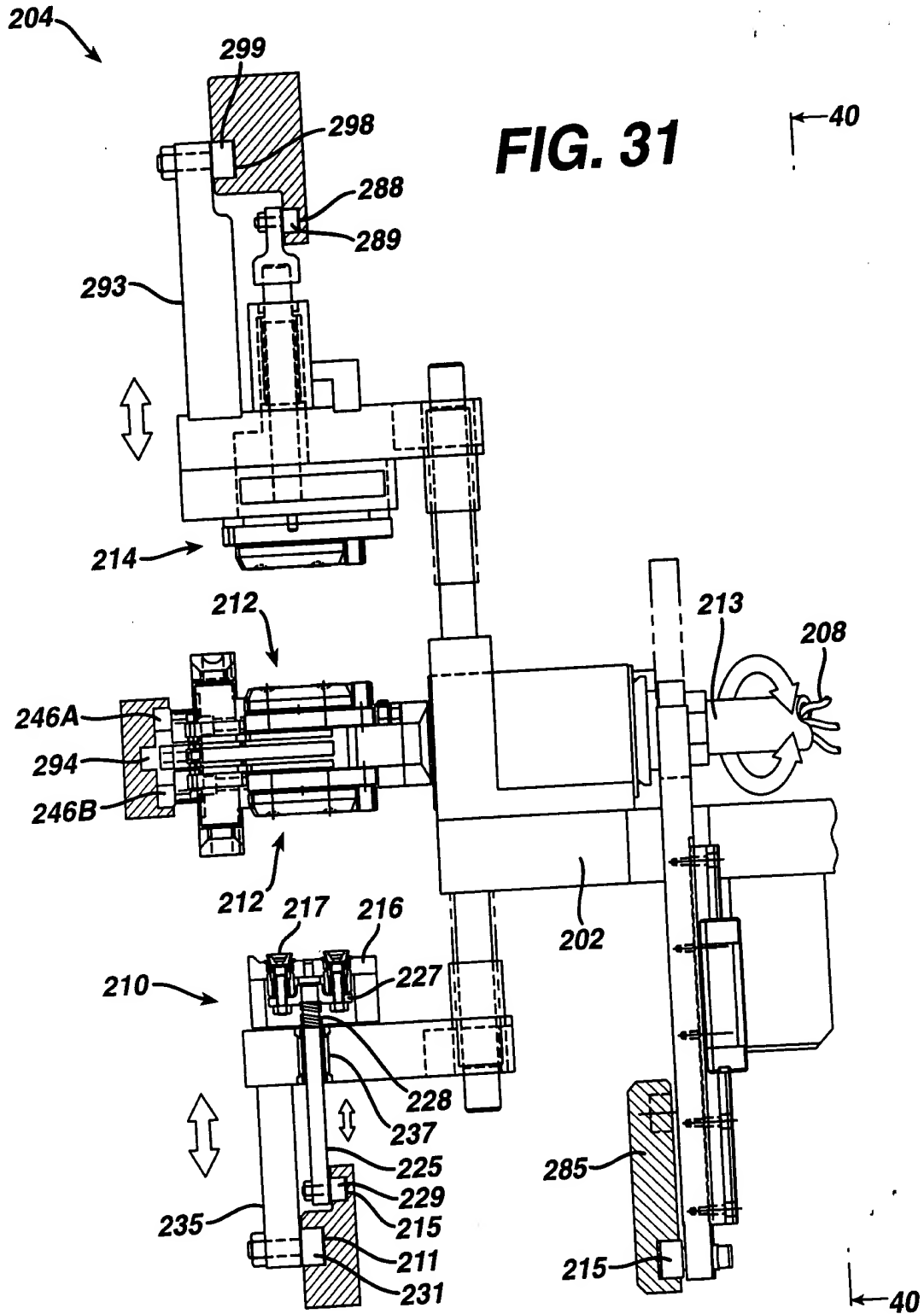
FIG. 30



000027777

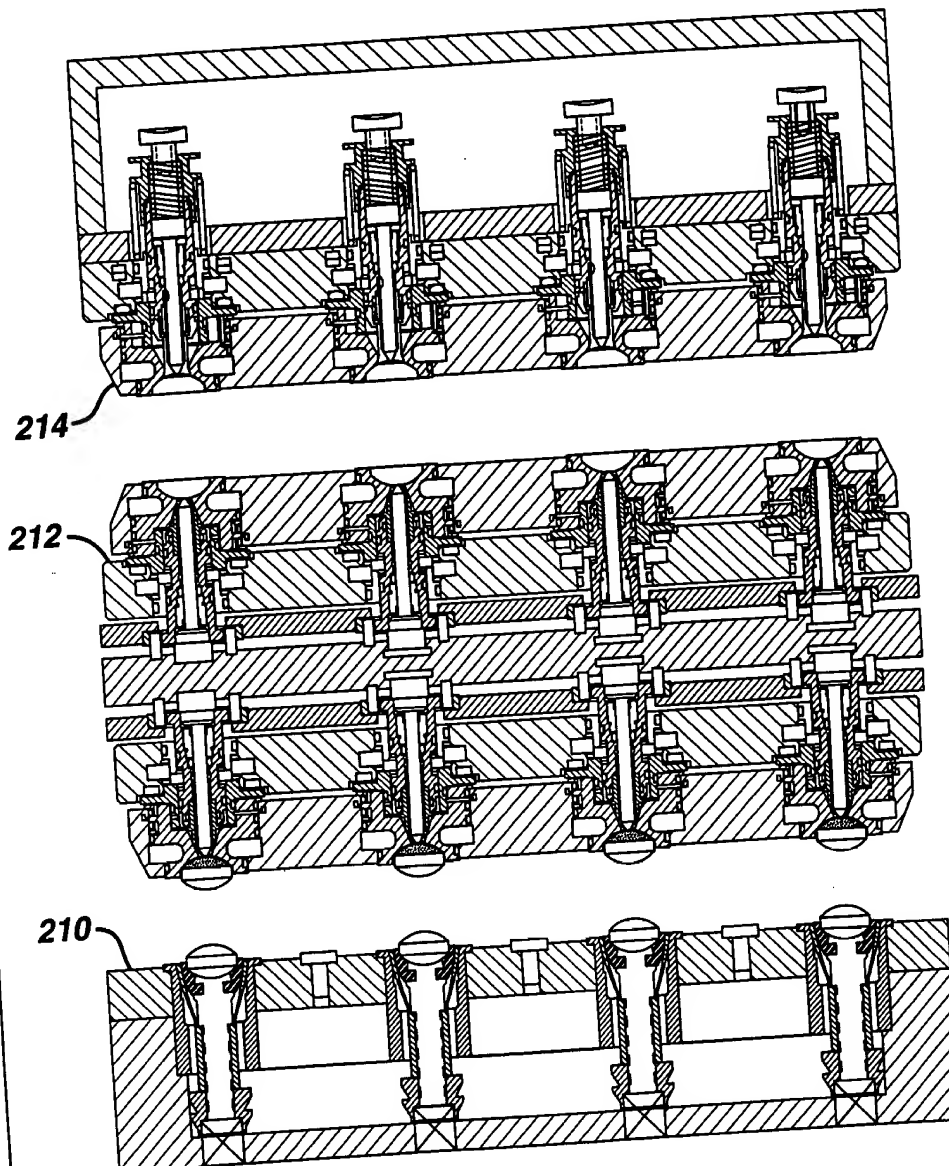
37/80

FIG. 31



38/80

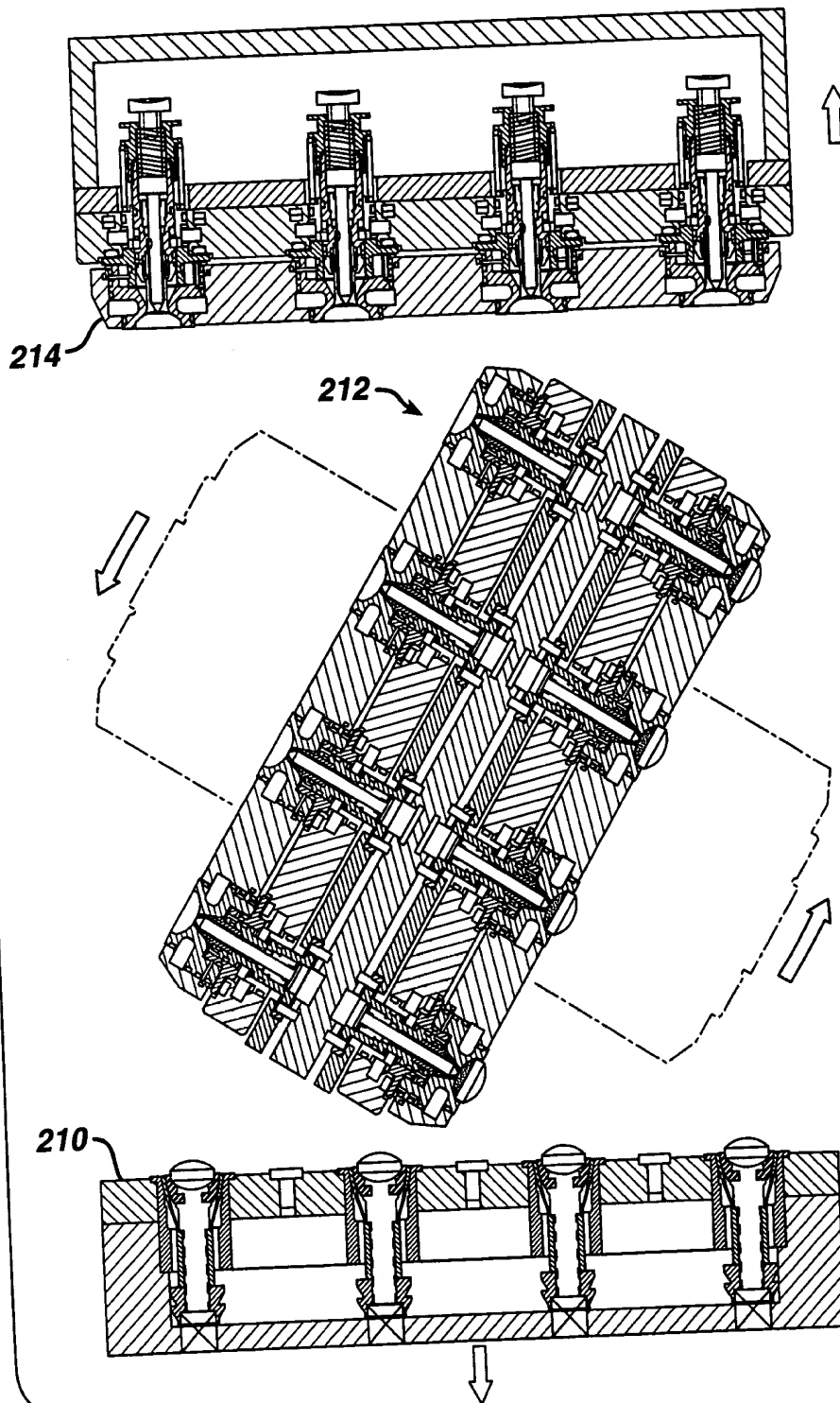
FIG. 32



00966509-00430

39/80

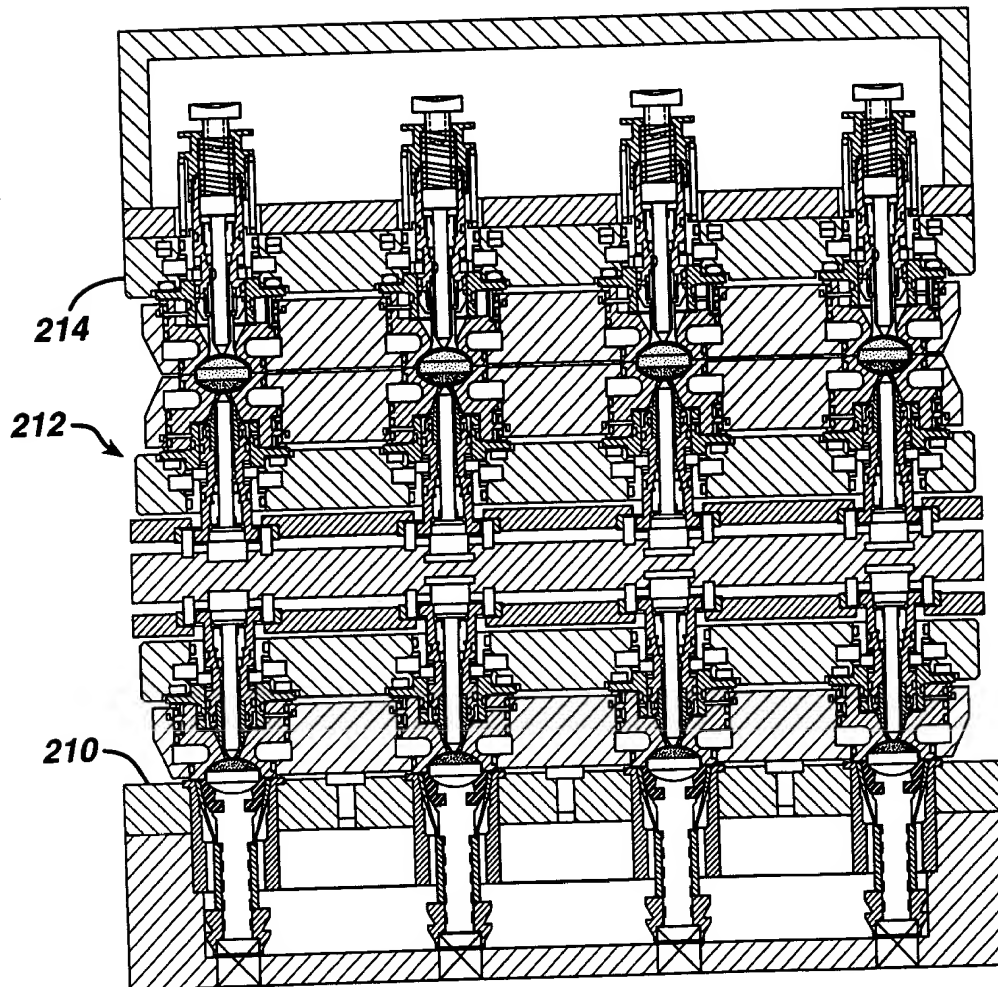
FIG. 33



00966509-0130

40/80

FIG. 34

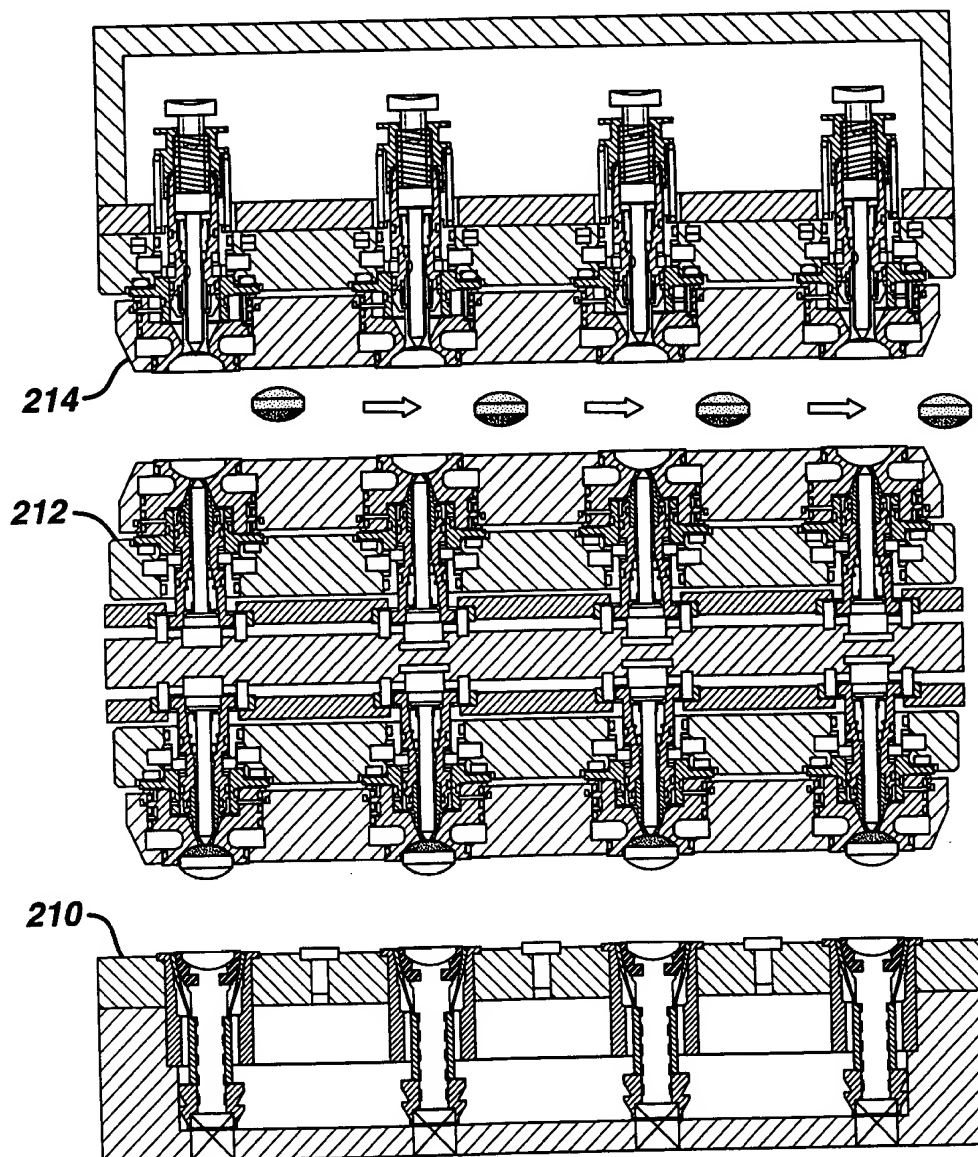


202450-0099660

TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner **TEL. #: 732-524-2242**
DOCKET #: MCP-0293 **CUST. #: 000027777**

41/80

FIG. 35

[illegible]

2025-05-06

TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner
DOCKET #: MCP-0293

TEL. #: 732-524-2242
CUST. #: 000027777

42/80

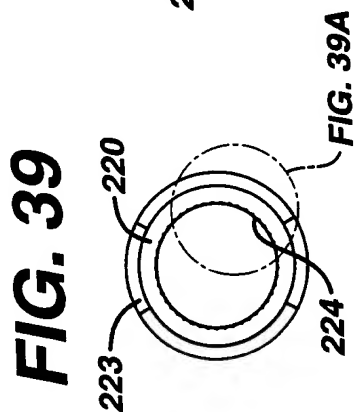
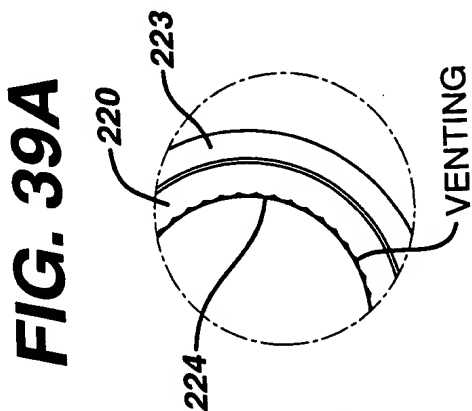
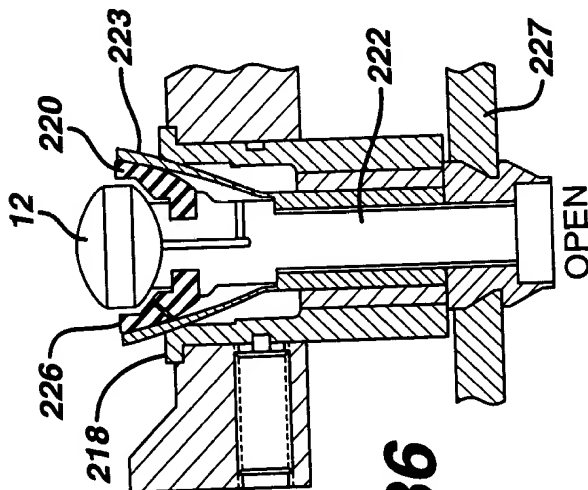
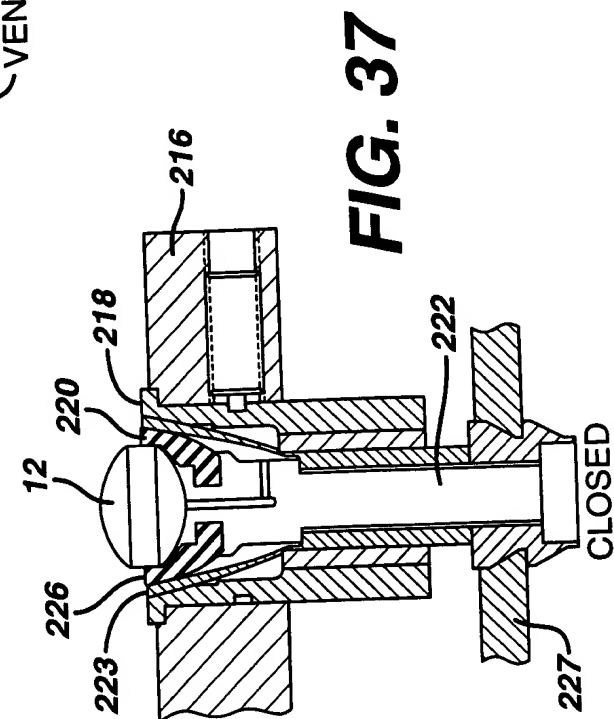
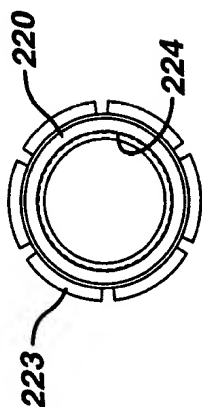
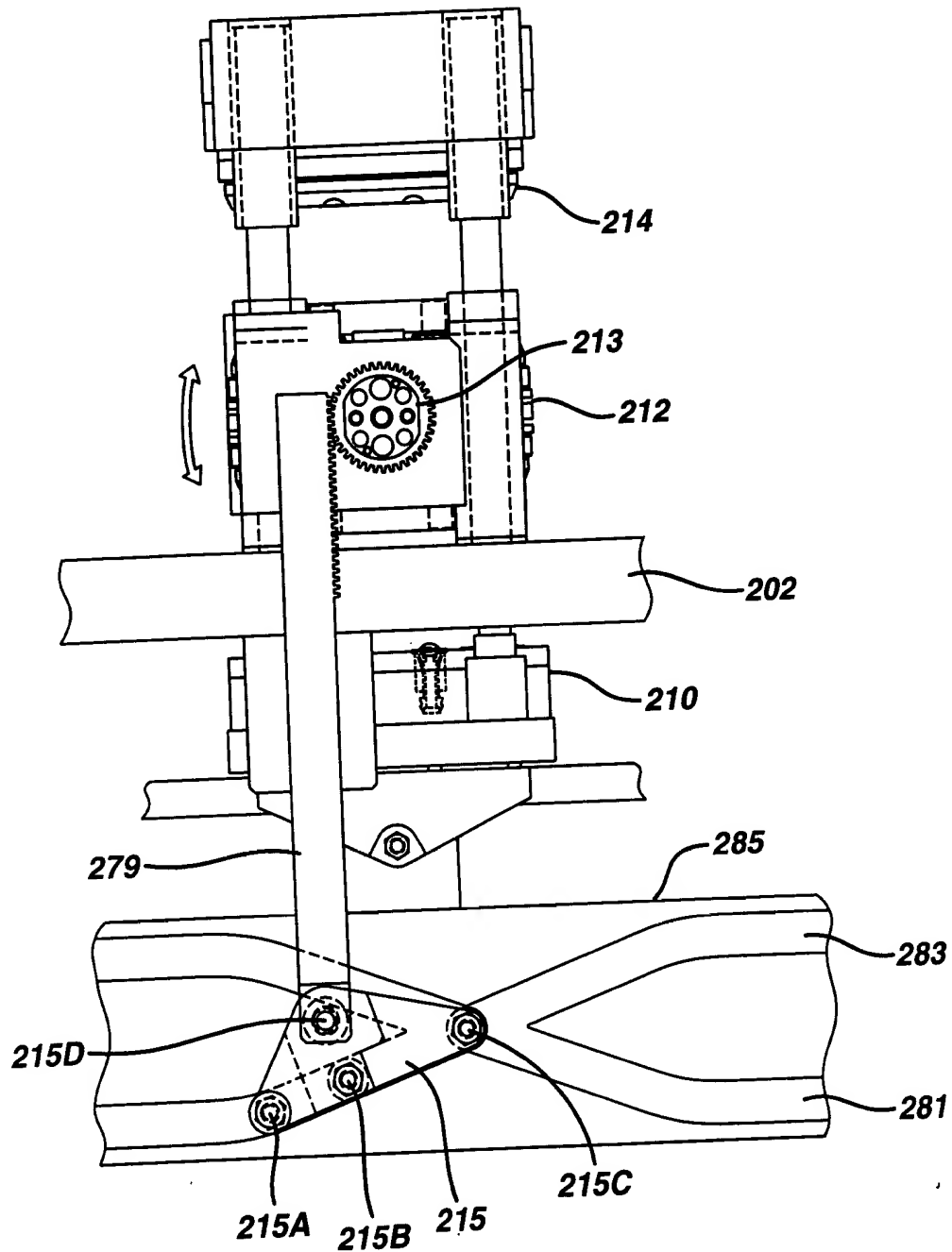


FIG. 38



43/80

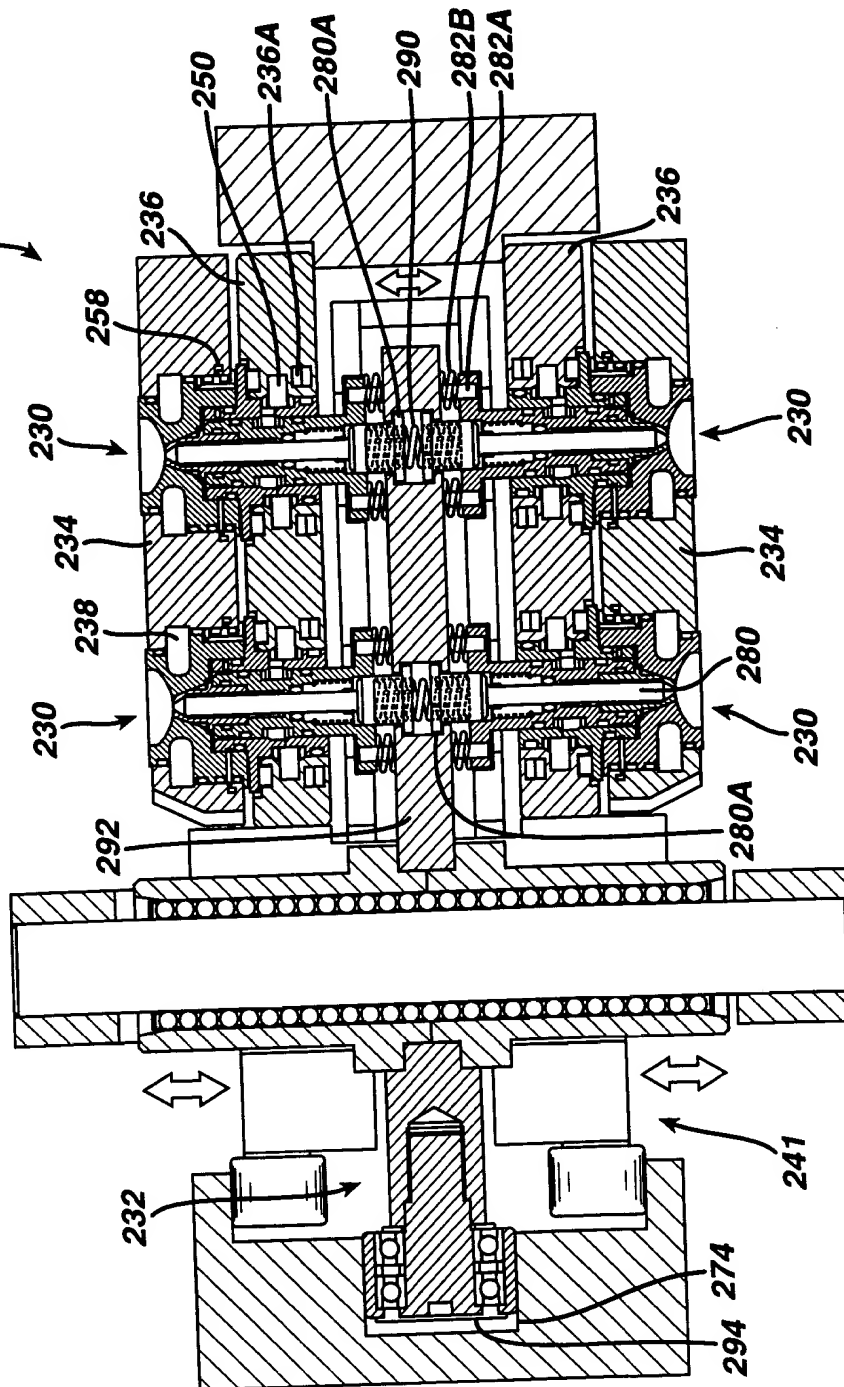
FIG. 40



20250-0099000

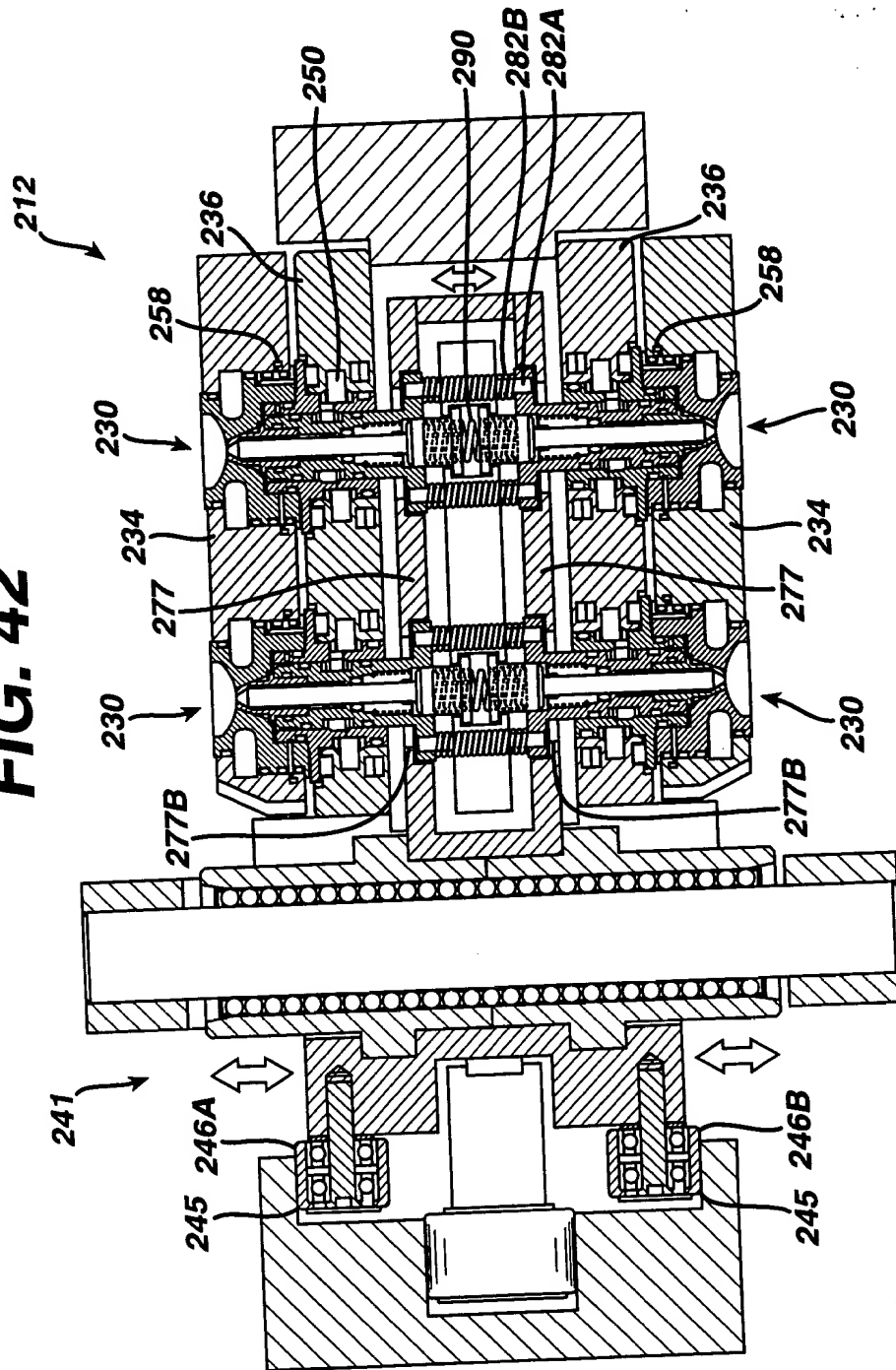
44/80

FIG. 41



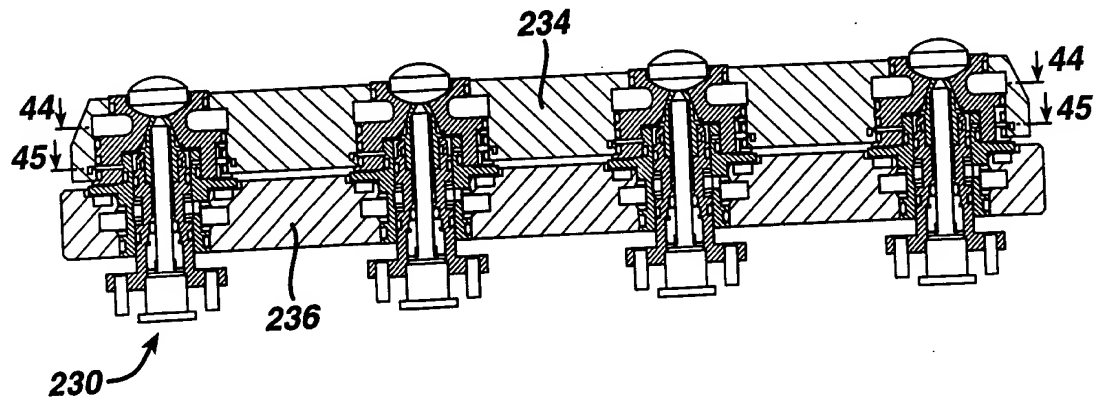
45/80

FIG. 42



46/80

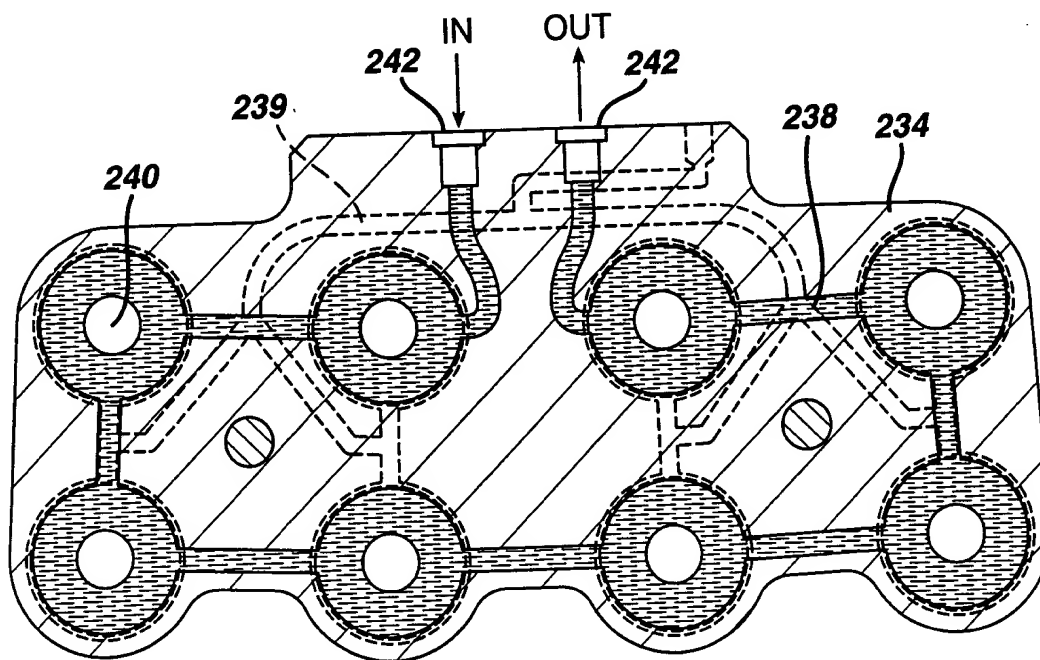
FIG. 43



2025-03-06 10:00:00

47/80

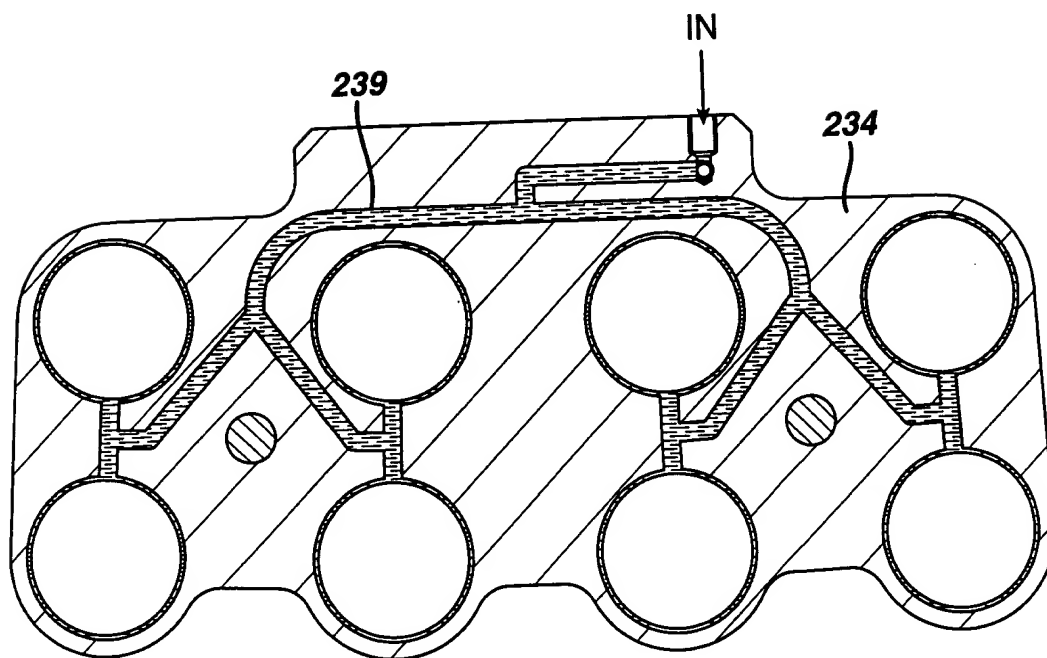
FIG. 44



2025-01-06 10:00:00

48/80

FIG. 45



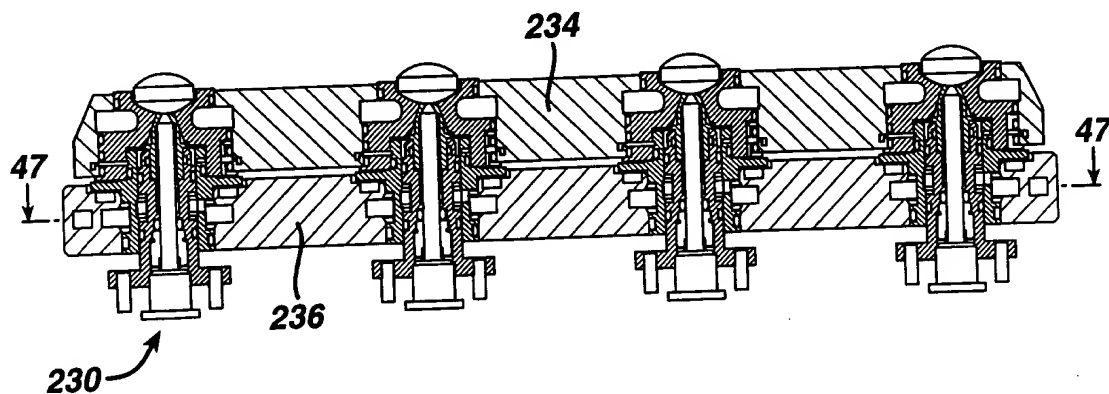
2025-06-20 09:30:00

TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner
DOCKET #: MCP-0293

TEL. #: 732-524-2242
CUST. #: 000027777

49/80

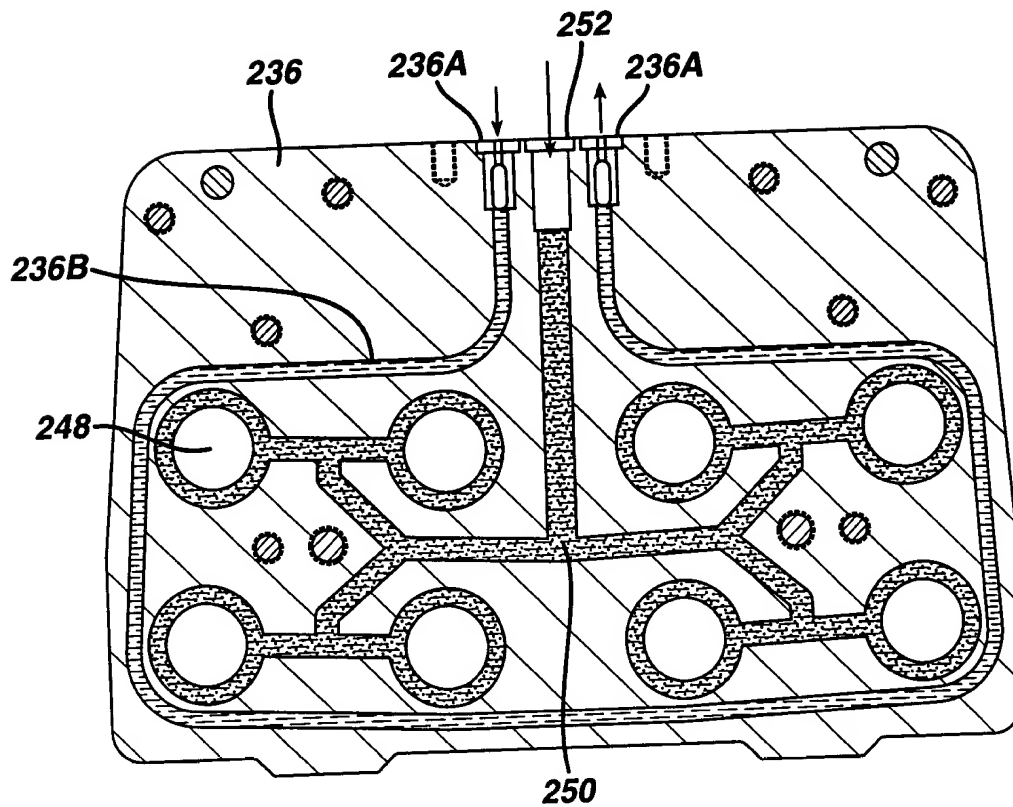
FIG. 46



20250106093600

50/80

FIG. 47



20250-00595660

51/80

FIG. 50

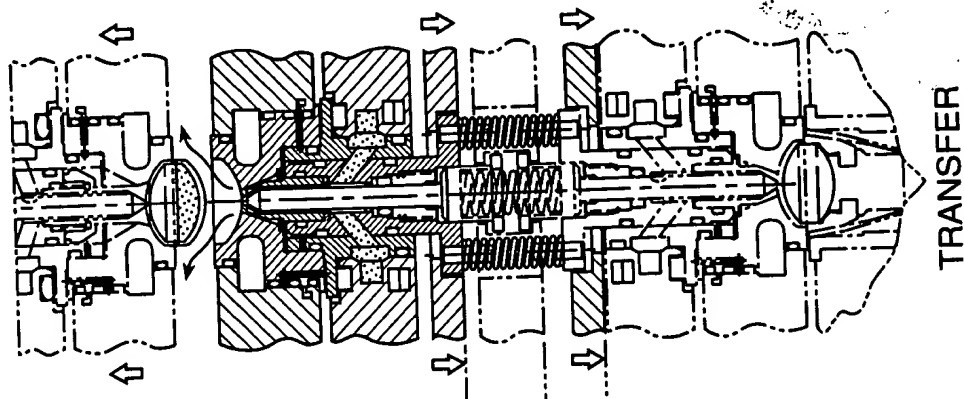


FIG. 49

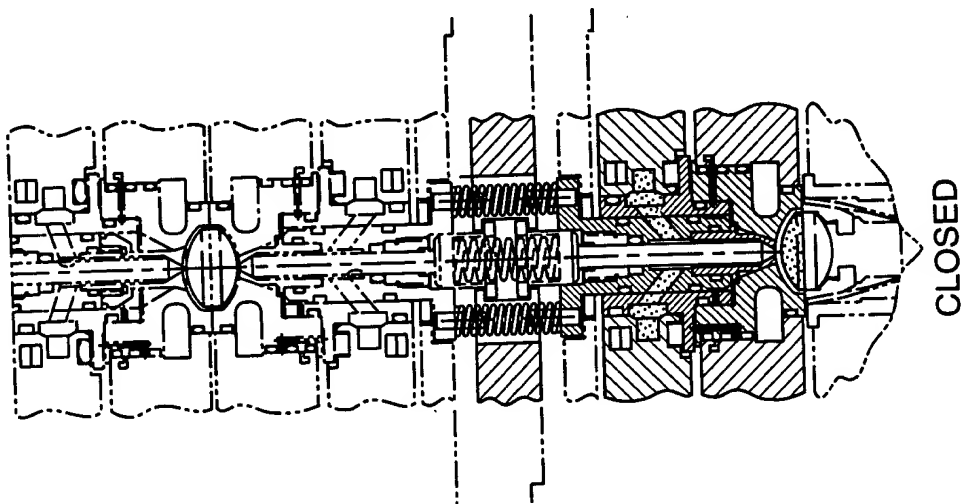
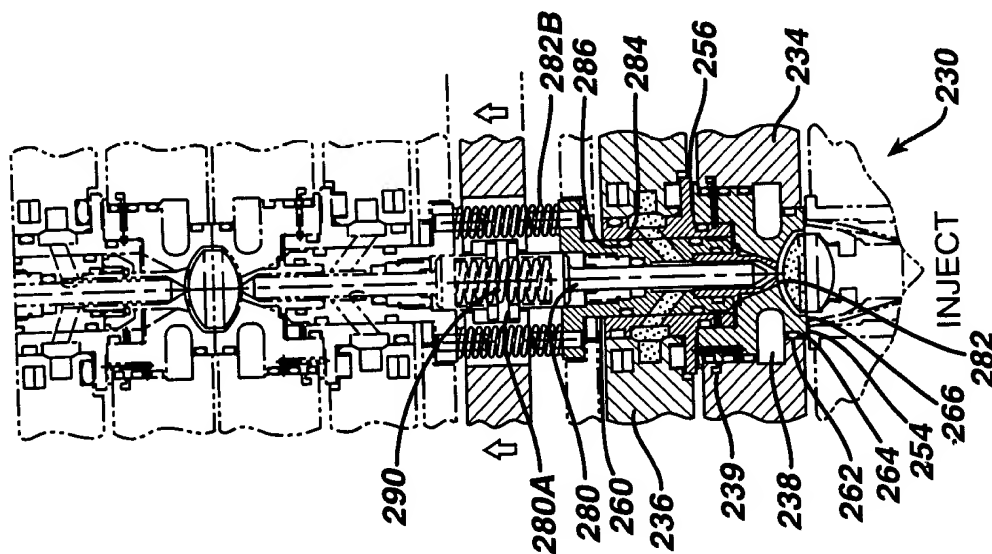


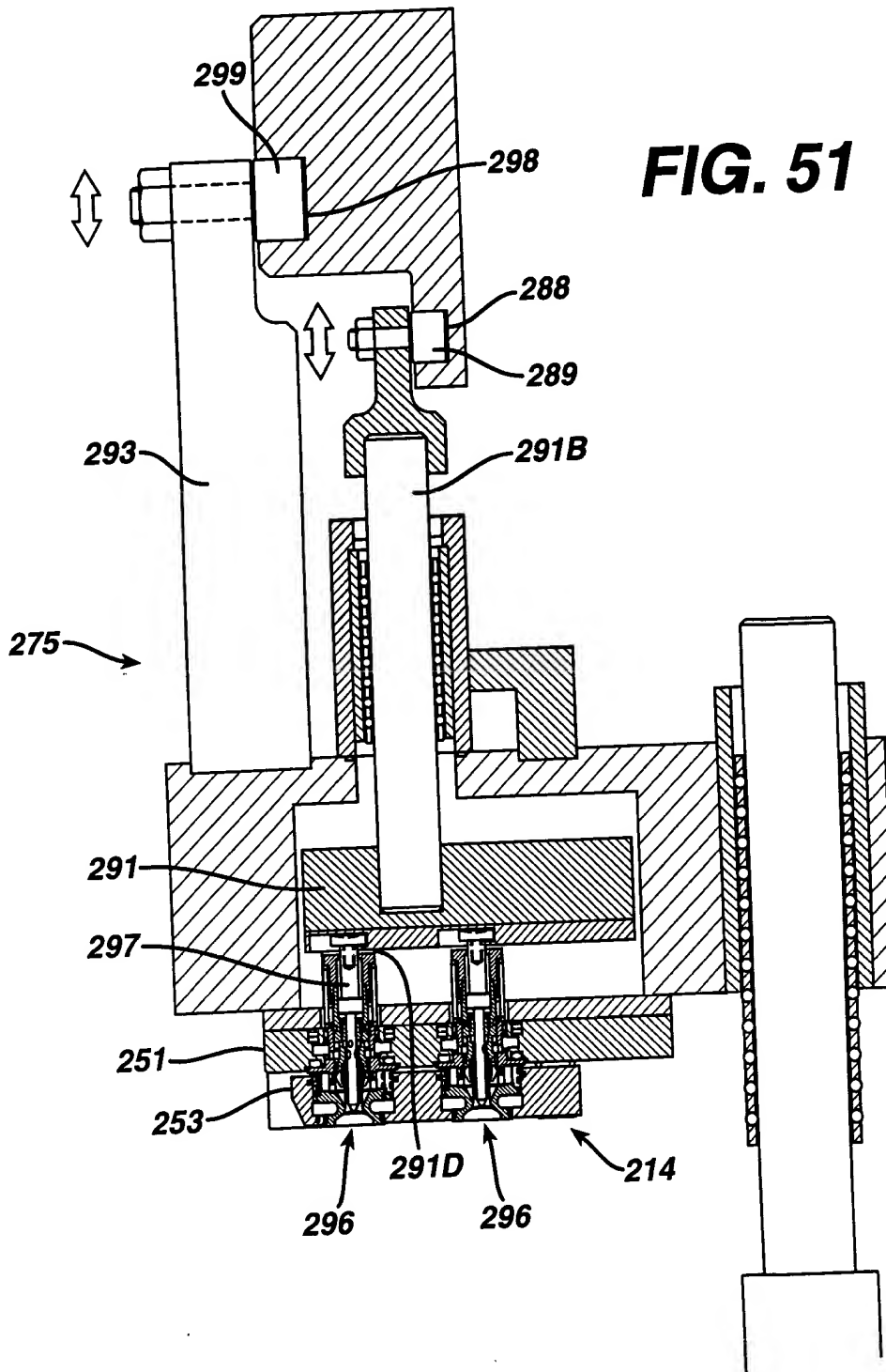
FIG. 48



2006150-60399660

52/80

FIG. 51



202150-00593600

FIG. 54

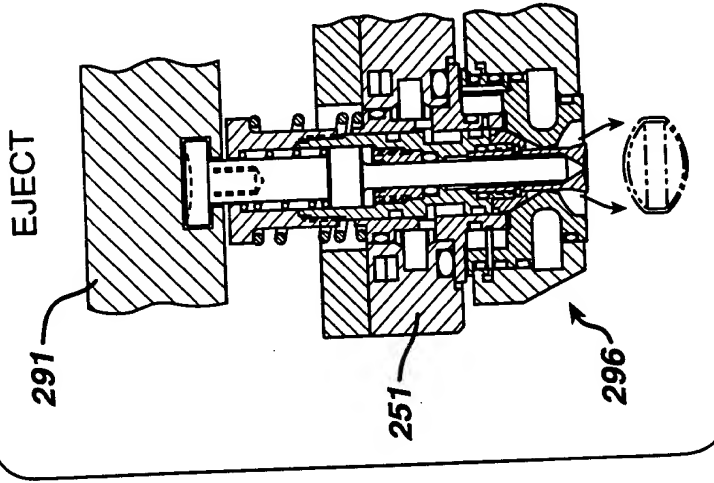


FIG. 53

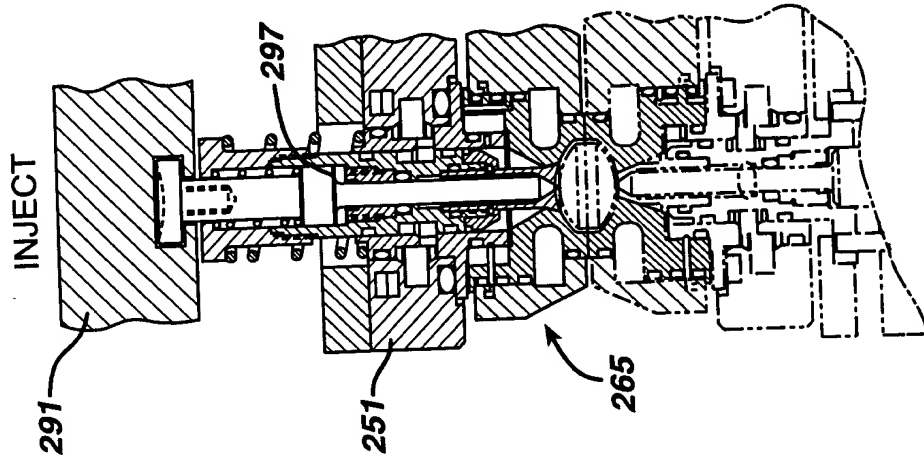
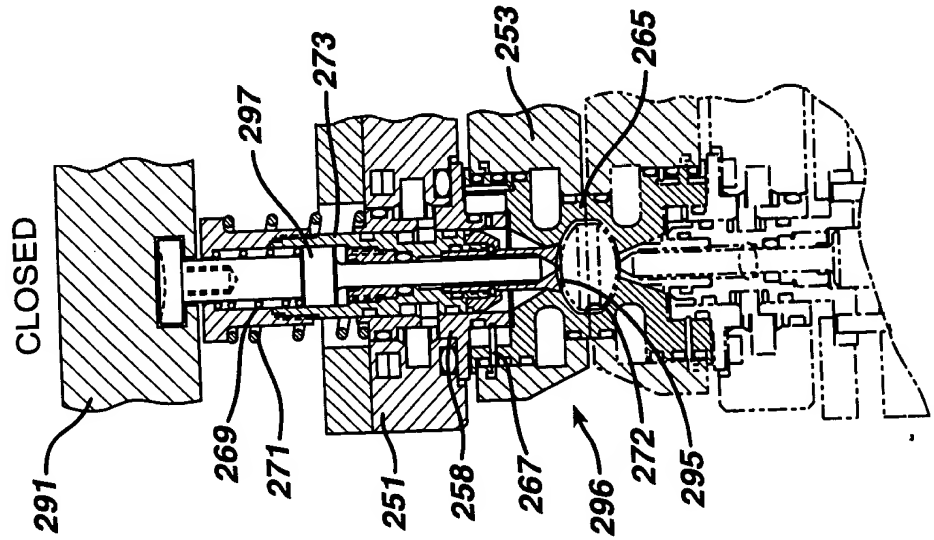


FIG. 52

[illegible]

54/80

FIG. 55

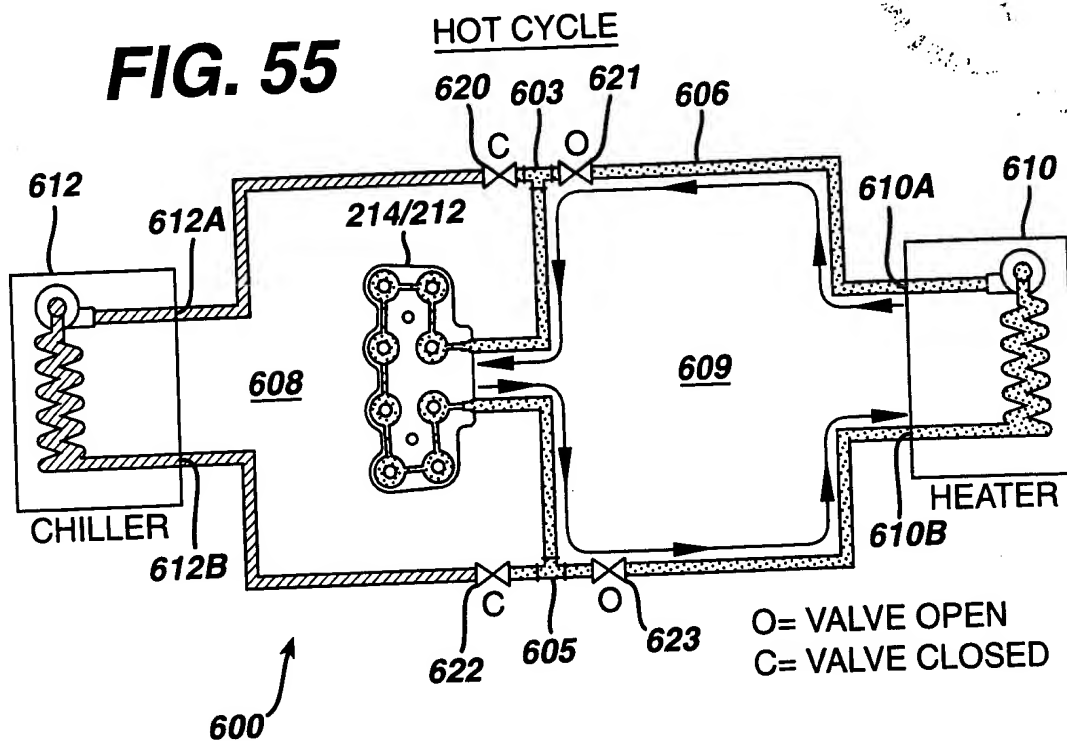
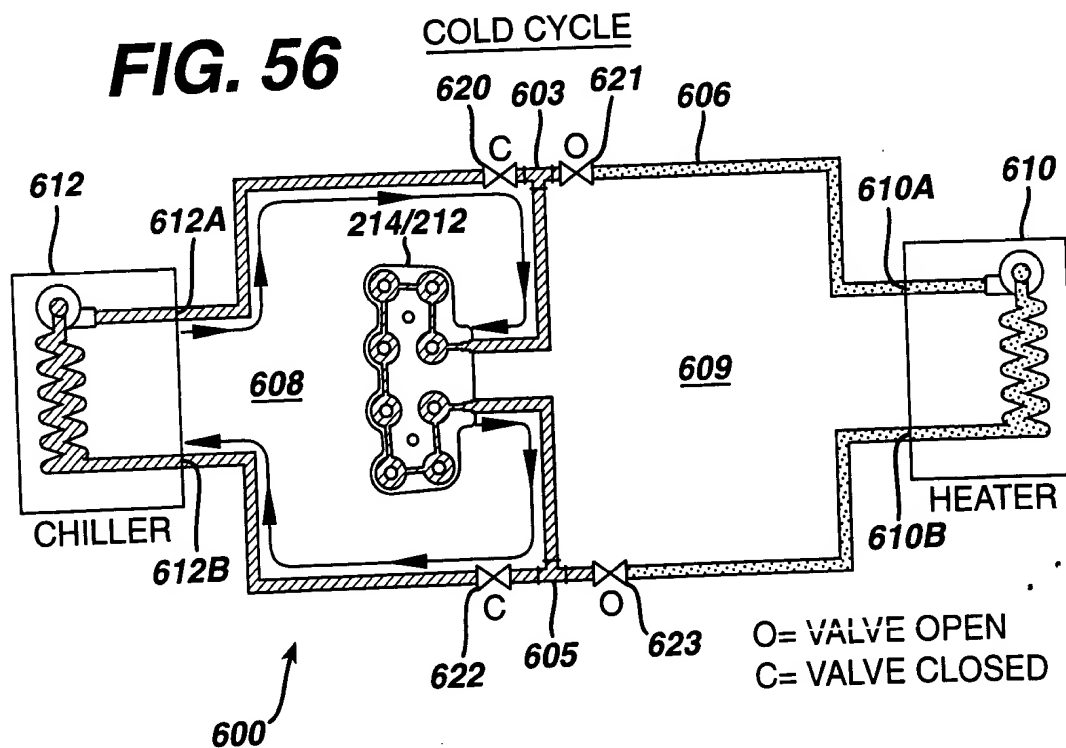


FIG. 56



55/80

FIG. 57

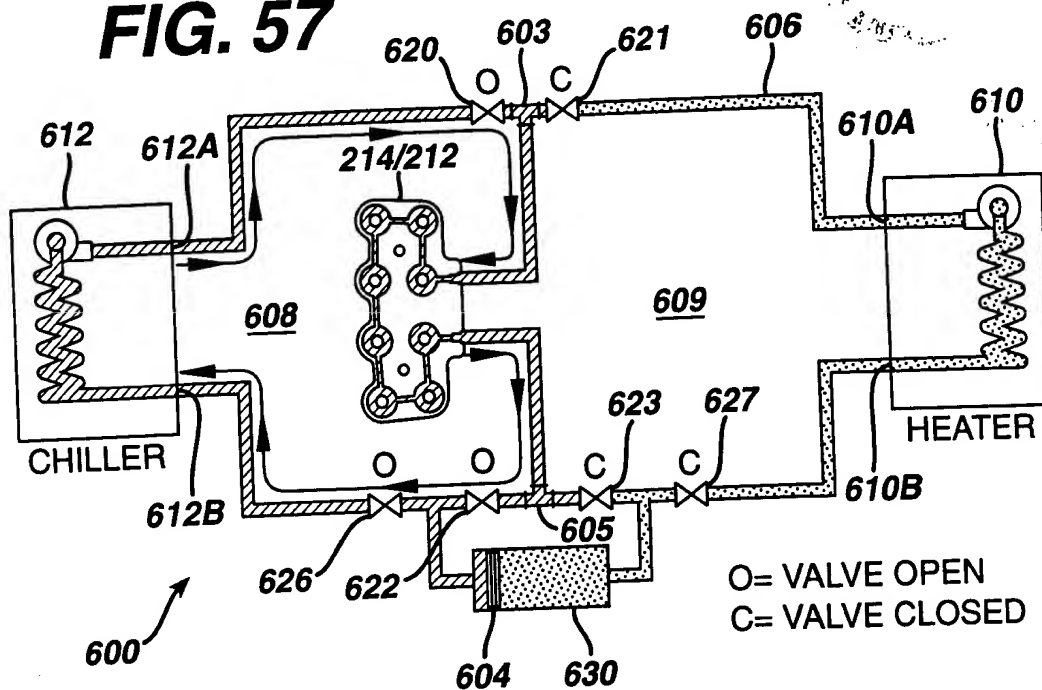
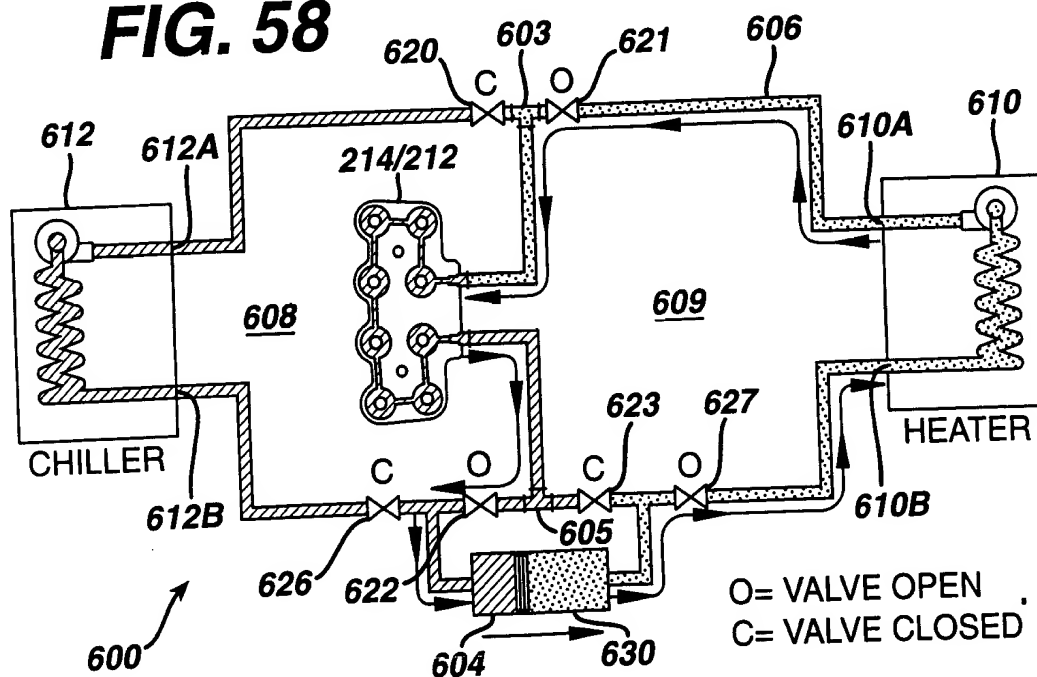
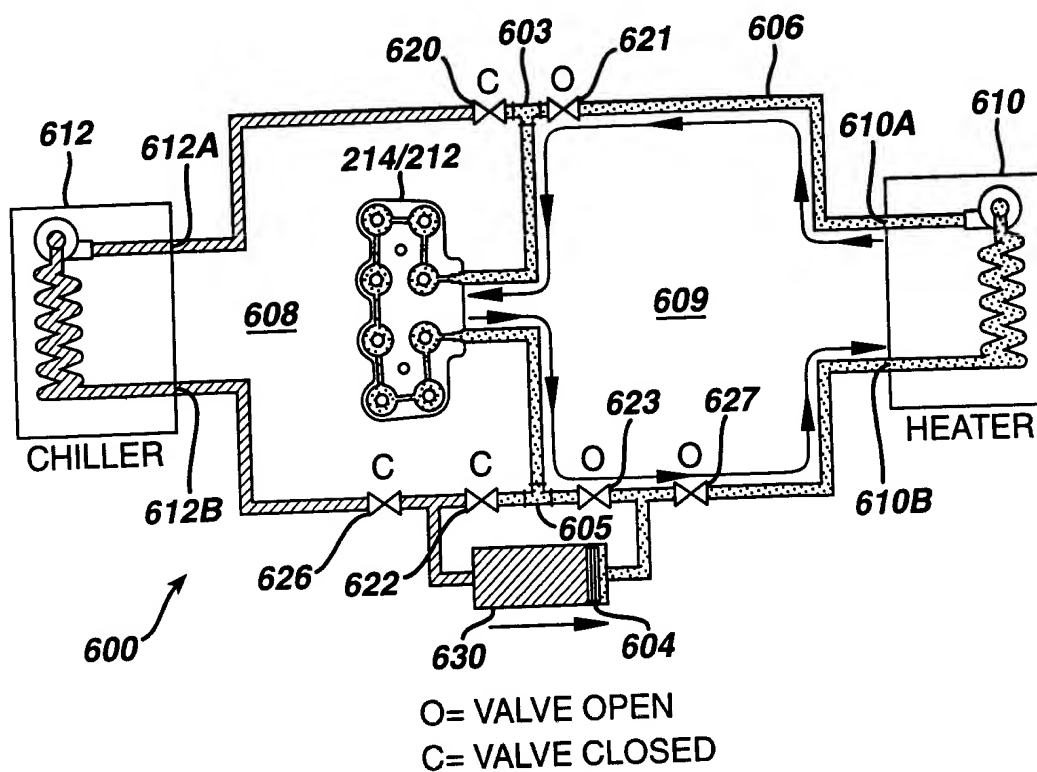


FIG. 58



56/80

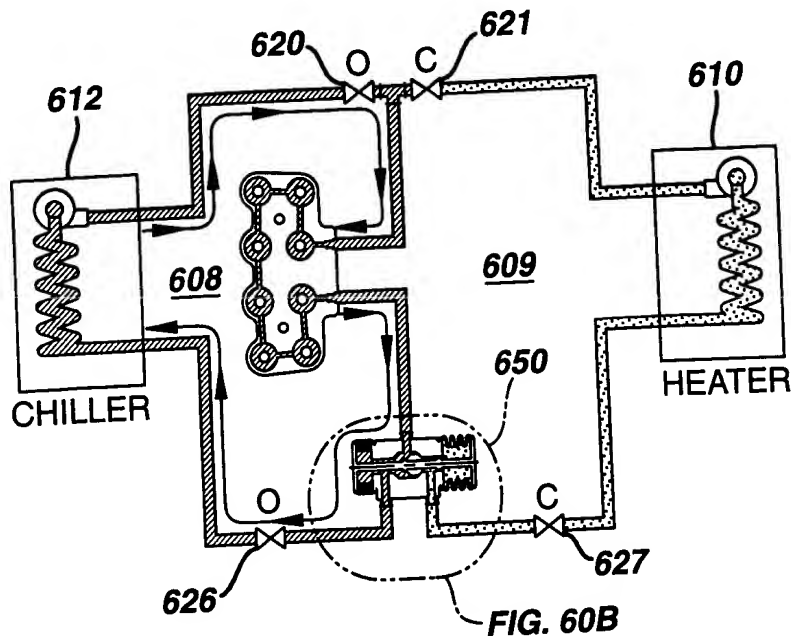
FIG. 59



202501051500

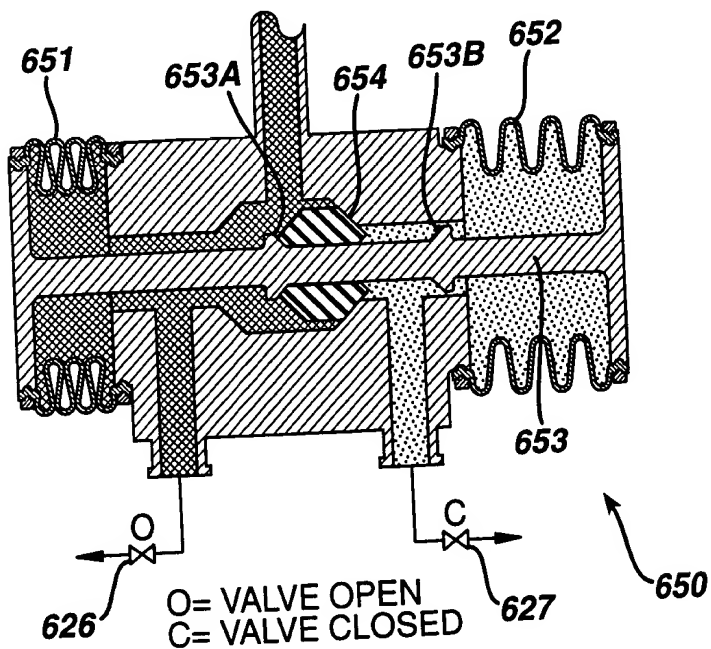
57/80

FIG. 60A



O= VALVE OPEN
 C= VALVE CLOSED

FIG. 60B

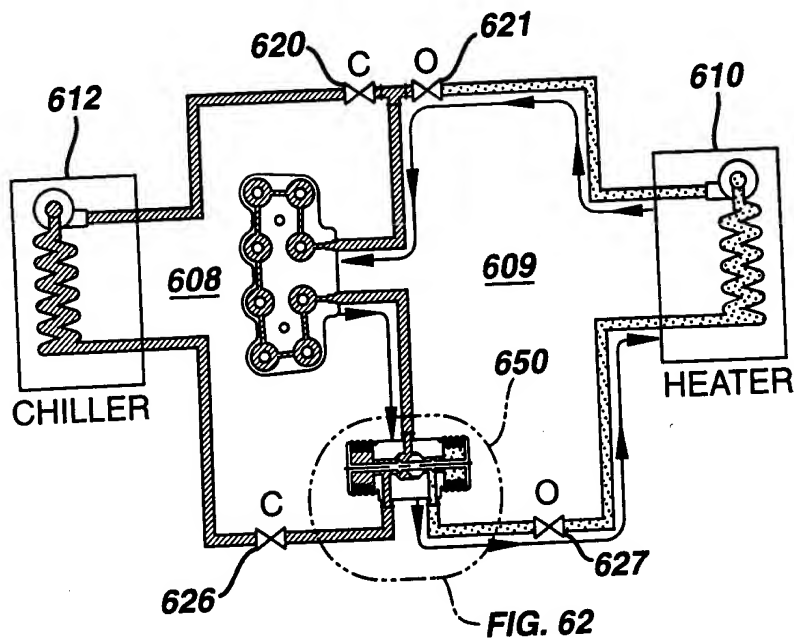


O= VALVE OPEN
 C= VALVE CLOSED

0006509-054202

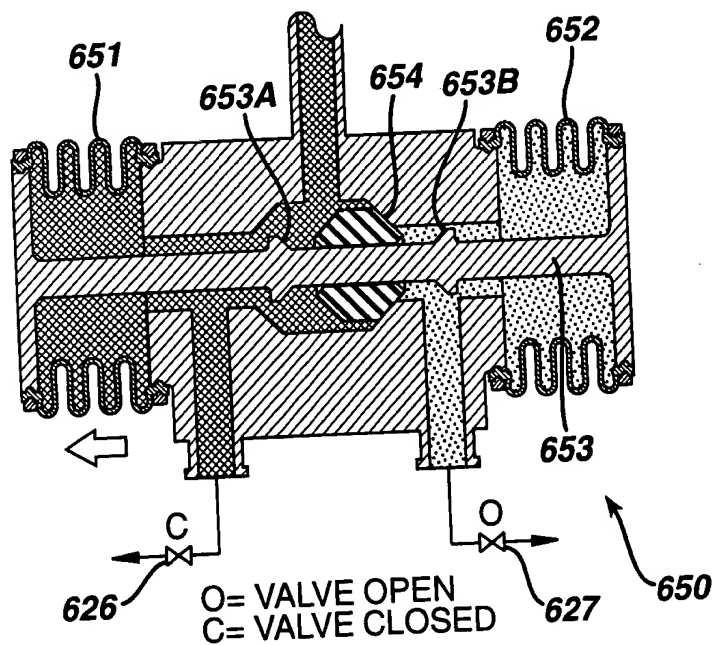
58/80

FIG. 61



O= VALVE OPEN
 C= VALVE CLOSED

FIG. 62

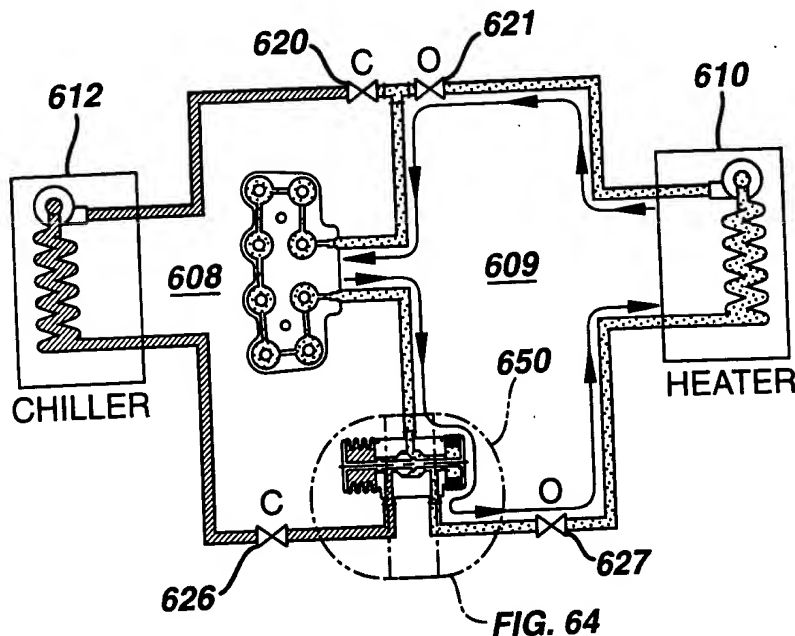


O= VALVE OPEN
 C= VALVE CLOSED

202750-6095000

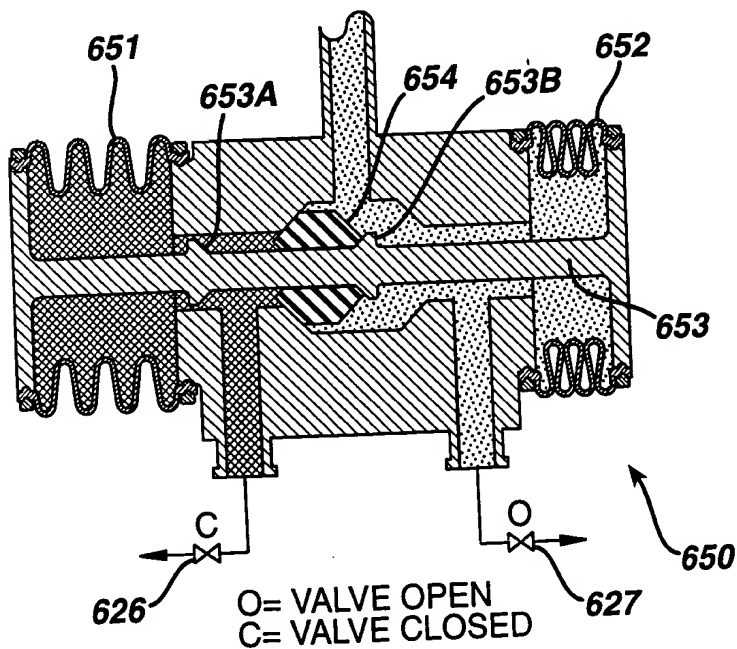
59/80

FIG. 63



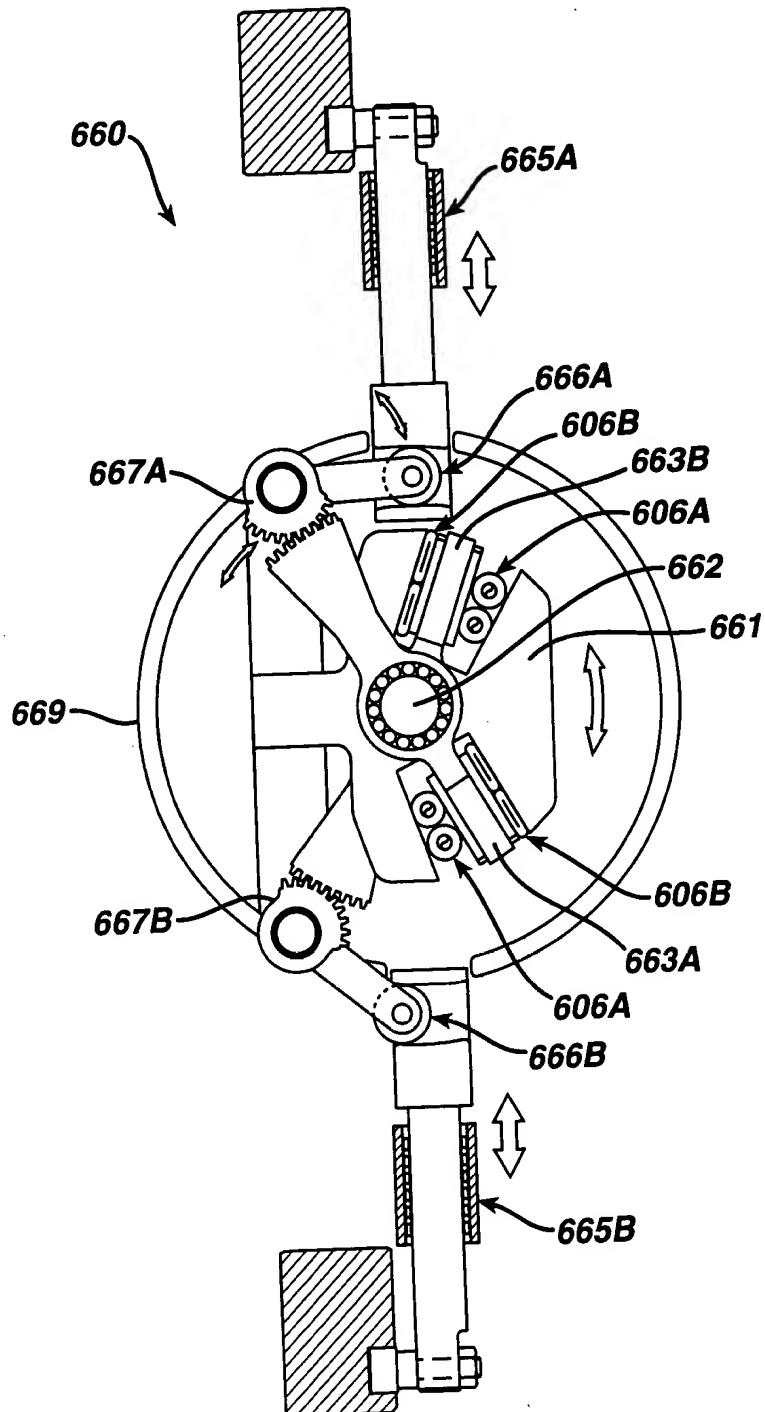
O= VALVE OPEN
 C= VALVE CLOSED

FIG. 64



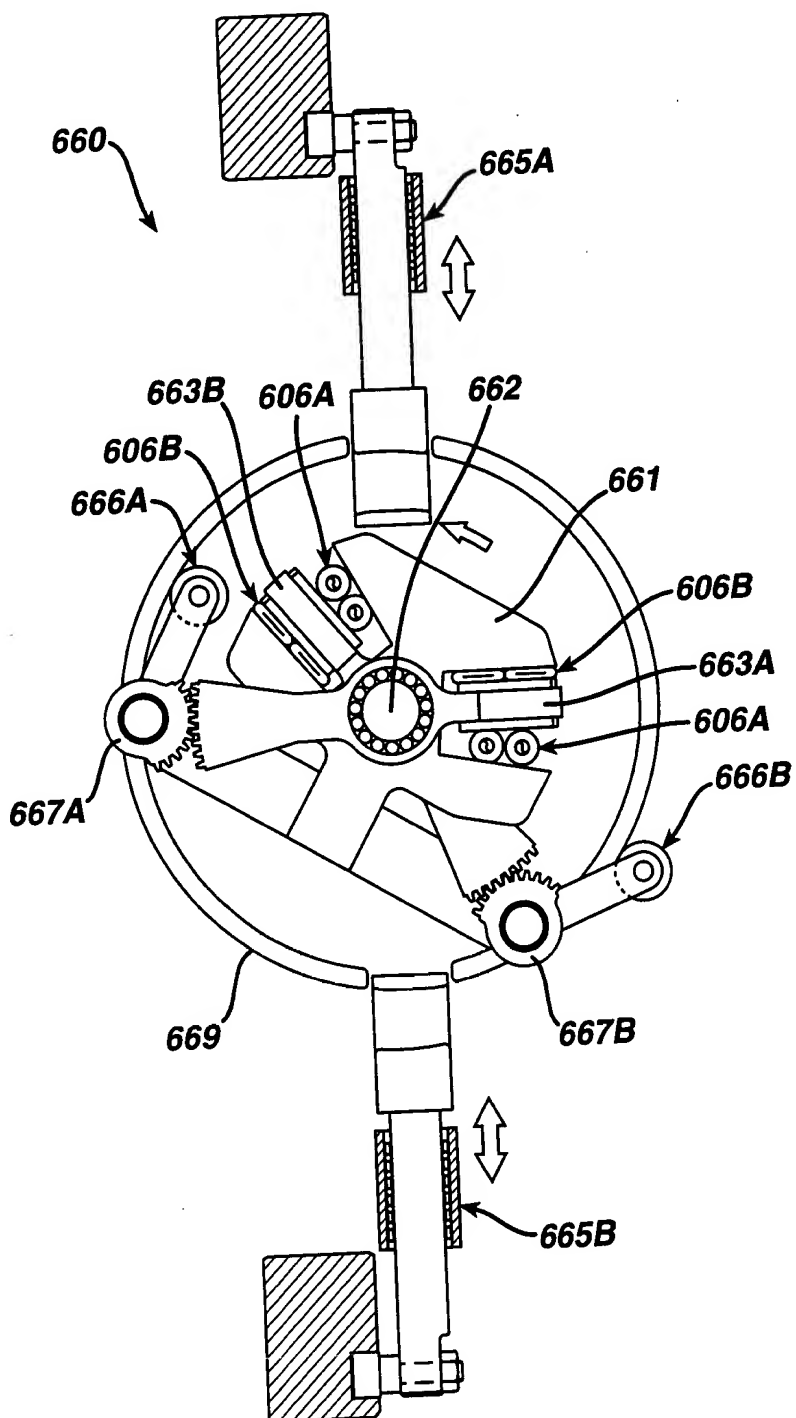
O= VALVE OPEN
 C= VALVE CLOSED

0095609-001300

[illegible]

61/80

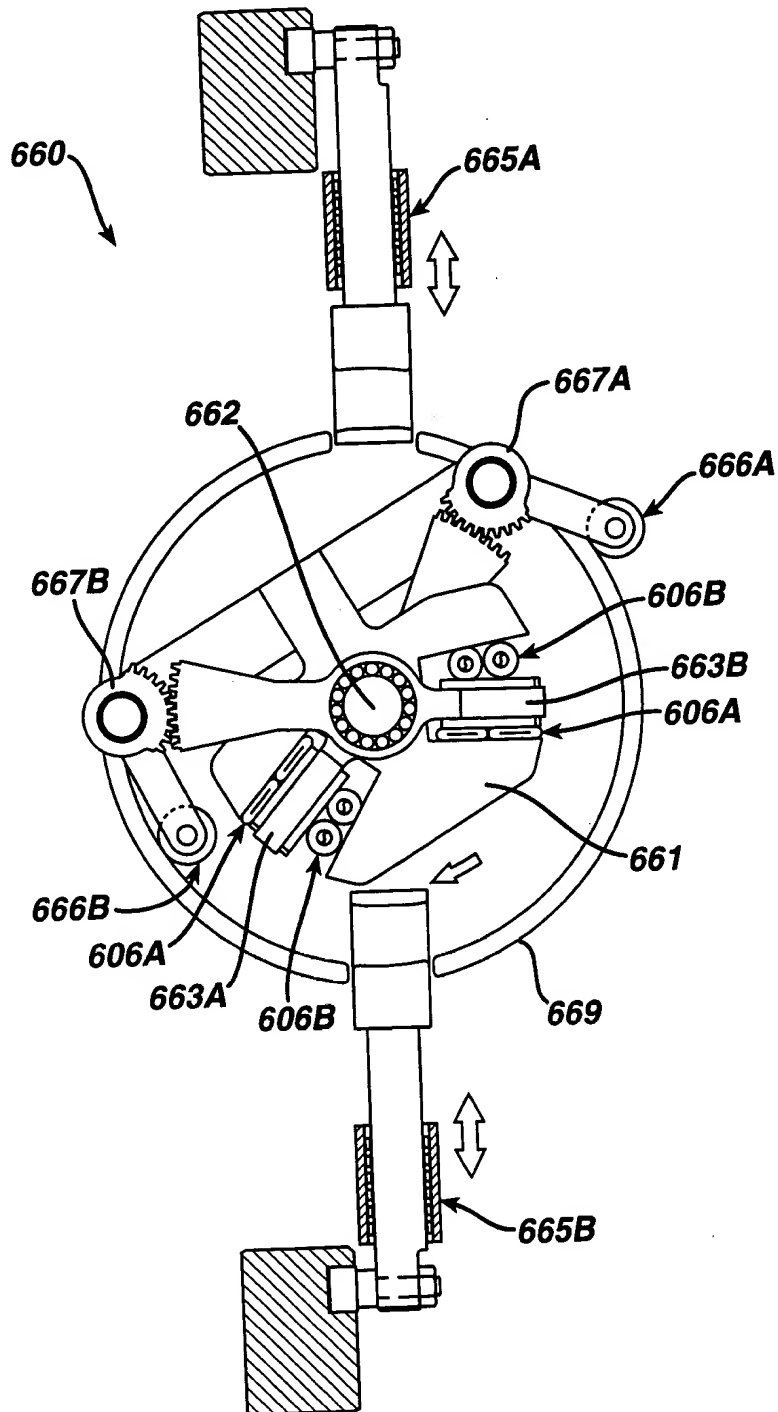
FIG. 66



2025-09-09 10:00:00

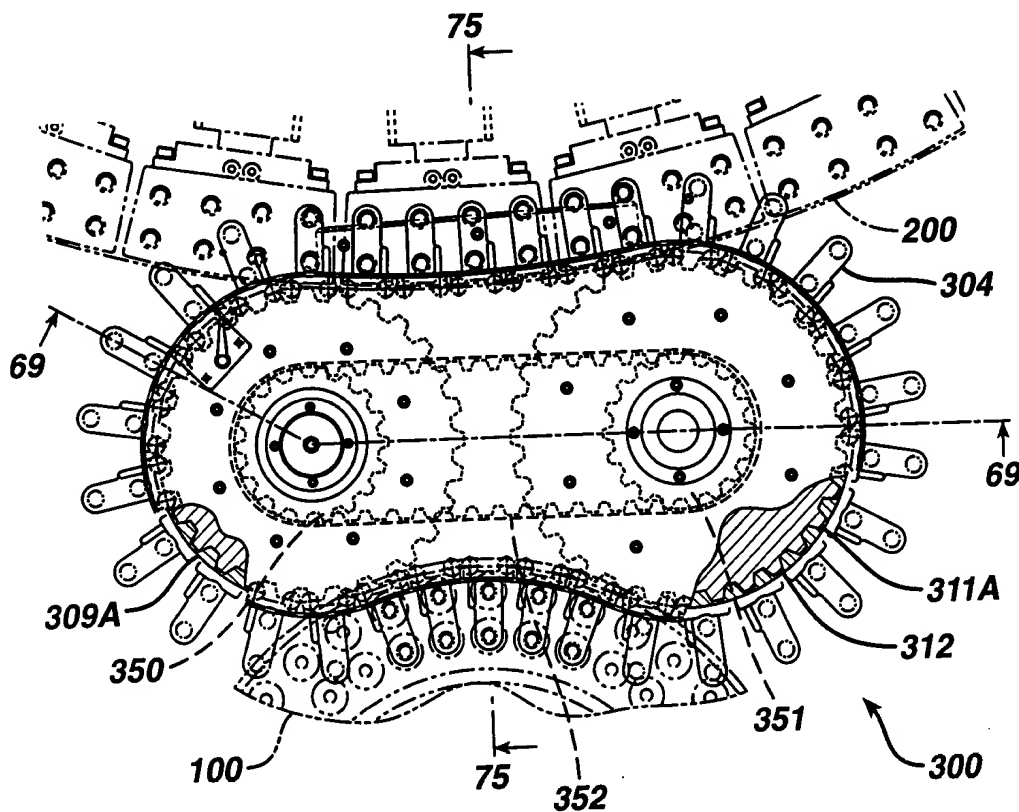
62/80

FIG. 67



63/80

FIG. 68



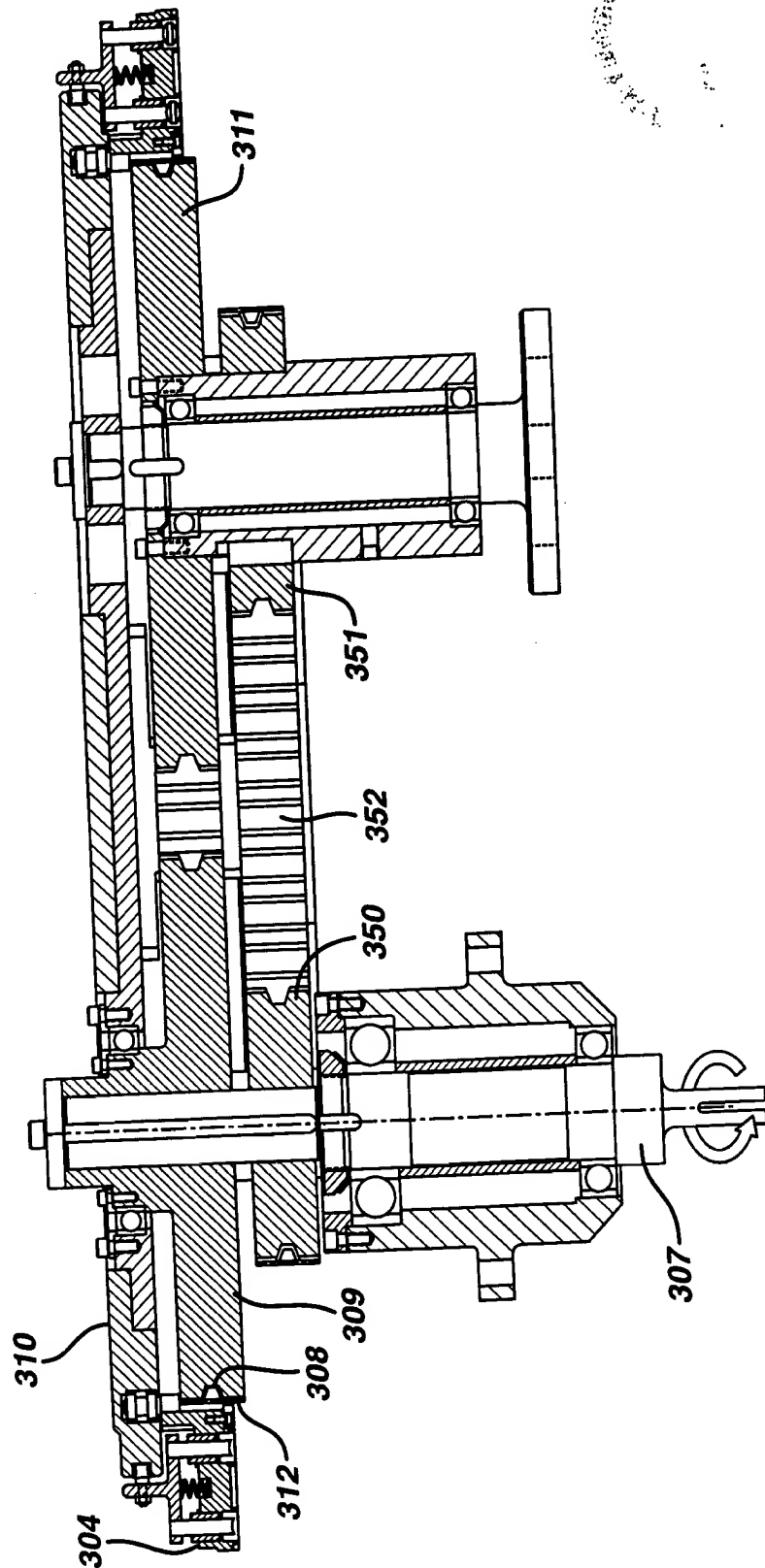
202750-60599660

TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner
DOCKET #: MCP-0293

TEL. #: 732-524-2242
CUST. #: 000027777

64/80

FIG. 69



65/80

FIG. 72

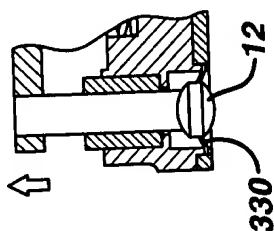


FIG. 73

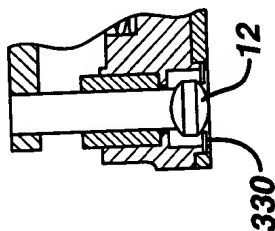


FIG. 74

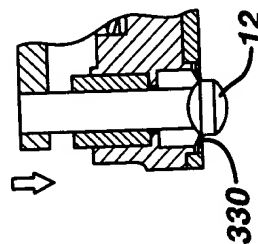


FIG. 70

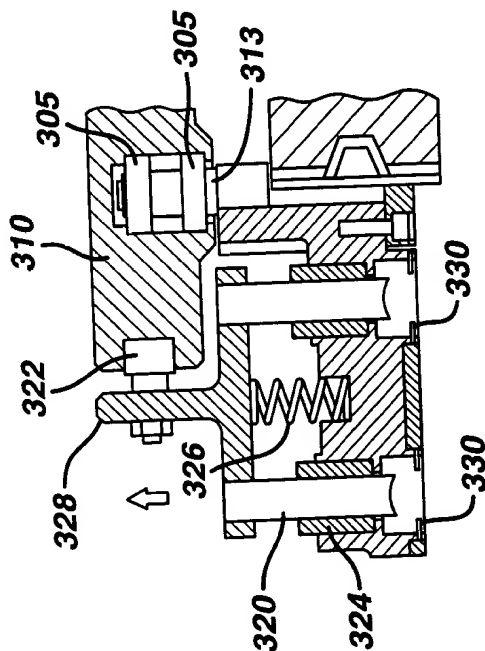
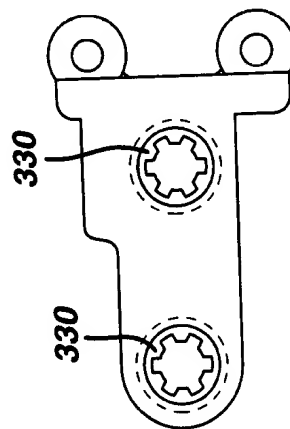


FIG. 71



2024-03-06

66/80

200250-00593000

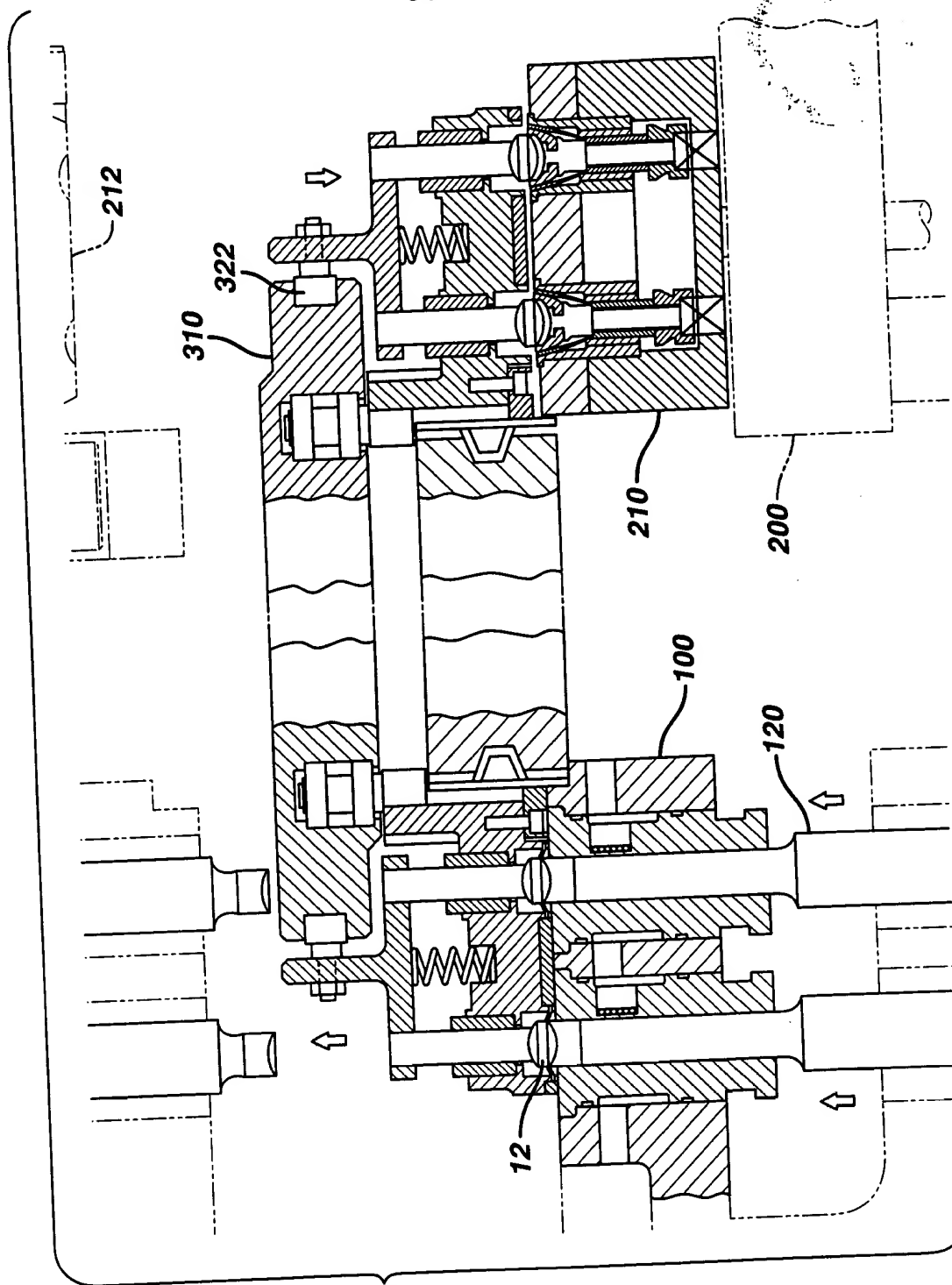
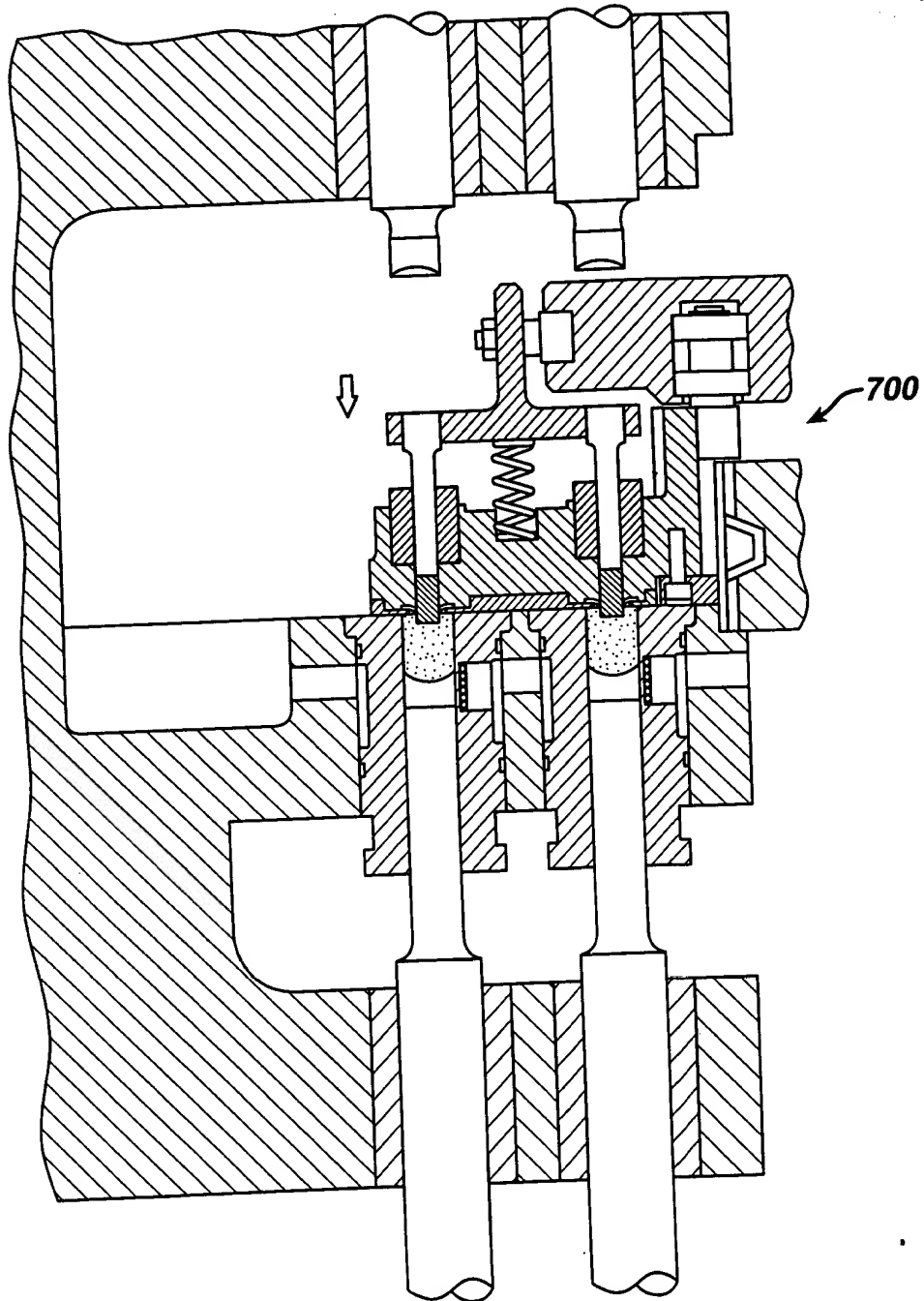


FIG. 75

67/80

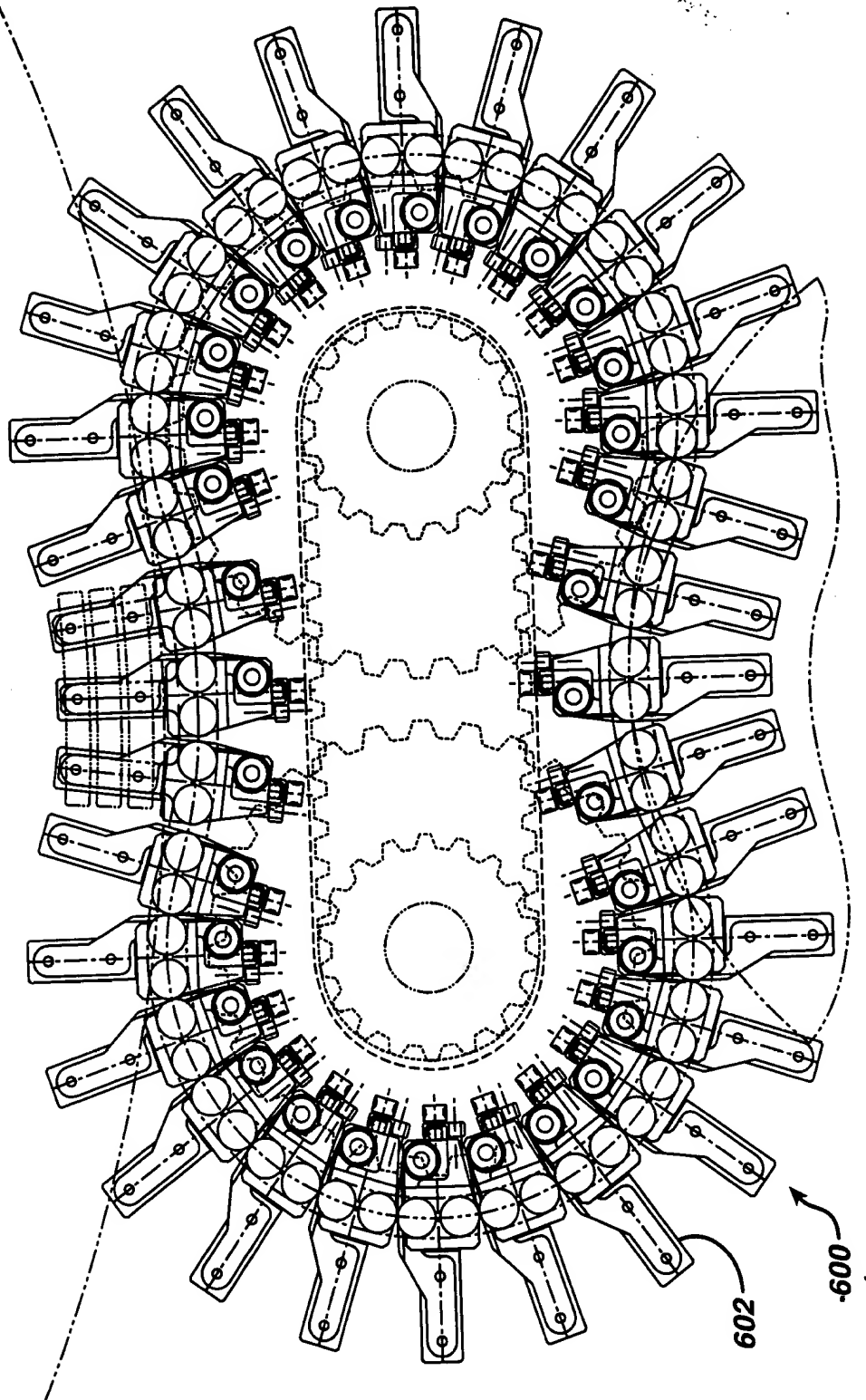
FIG. 76



20061501 00999600

68/80

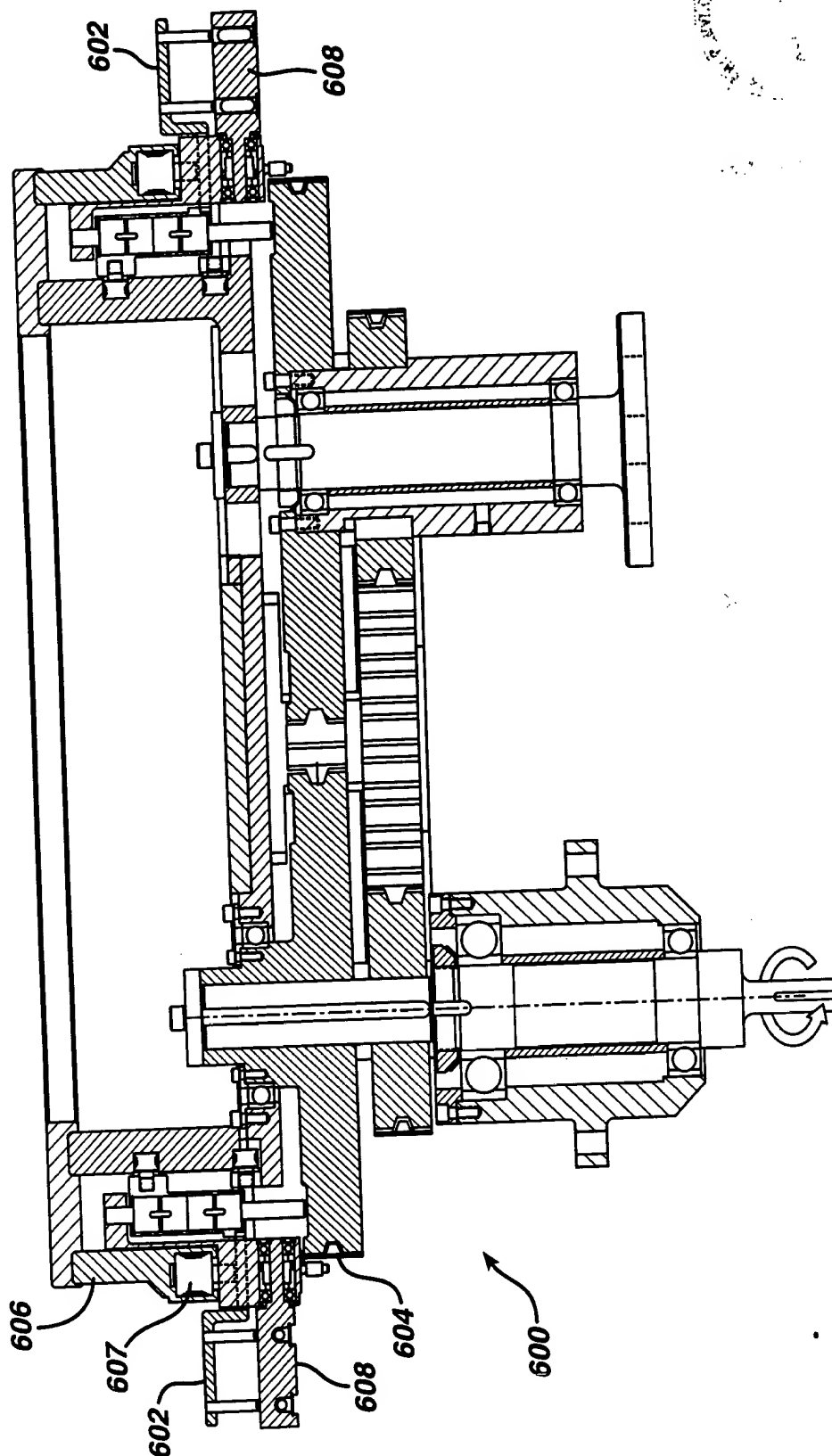
FIG. 77



202501 00999600

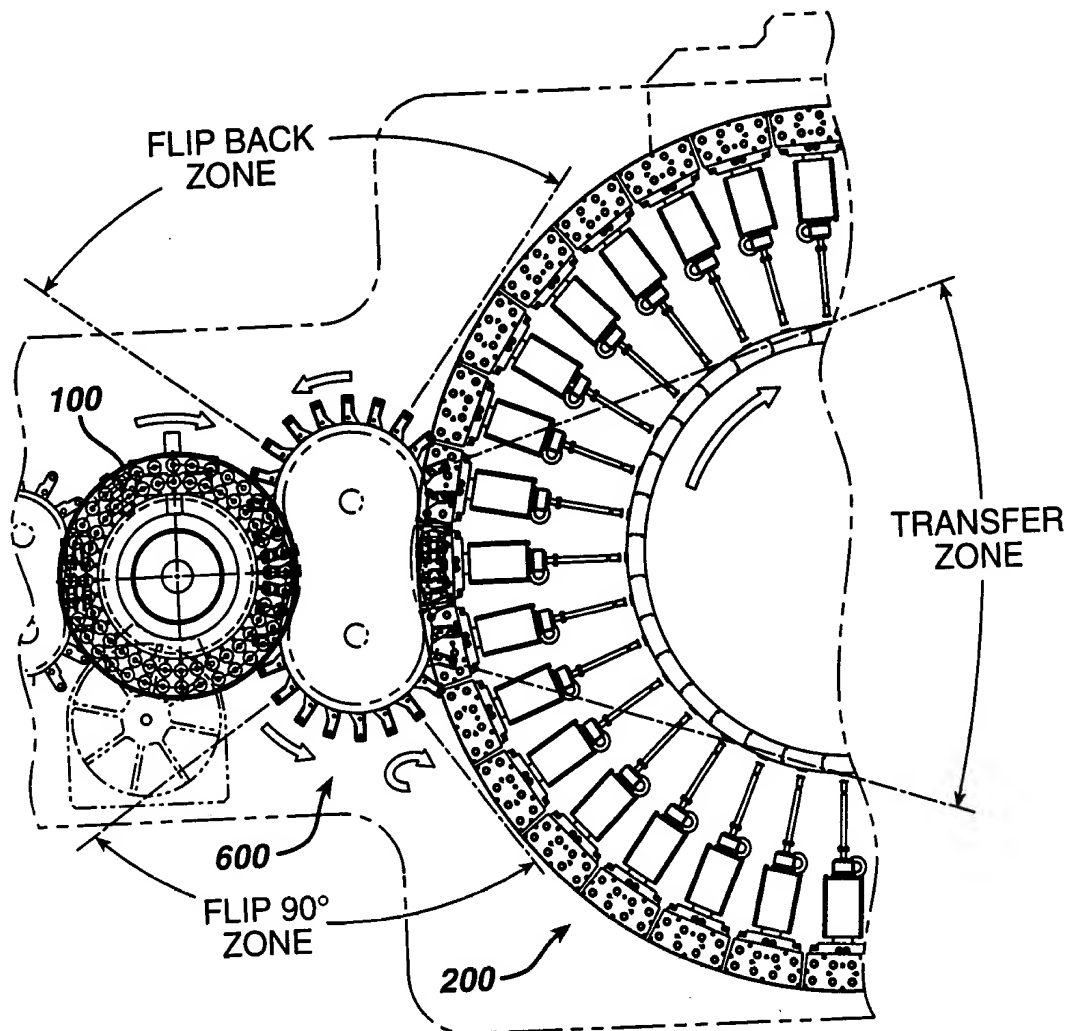
69/80

FIG. 78



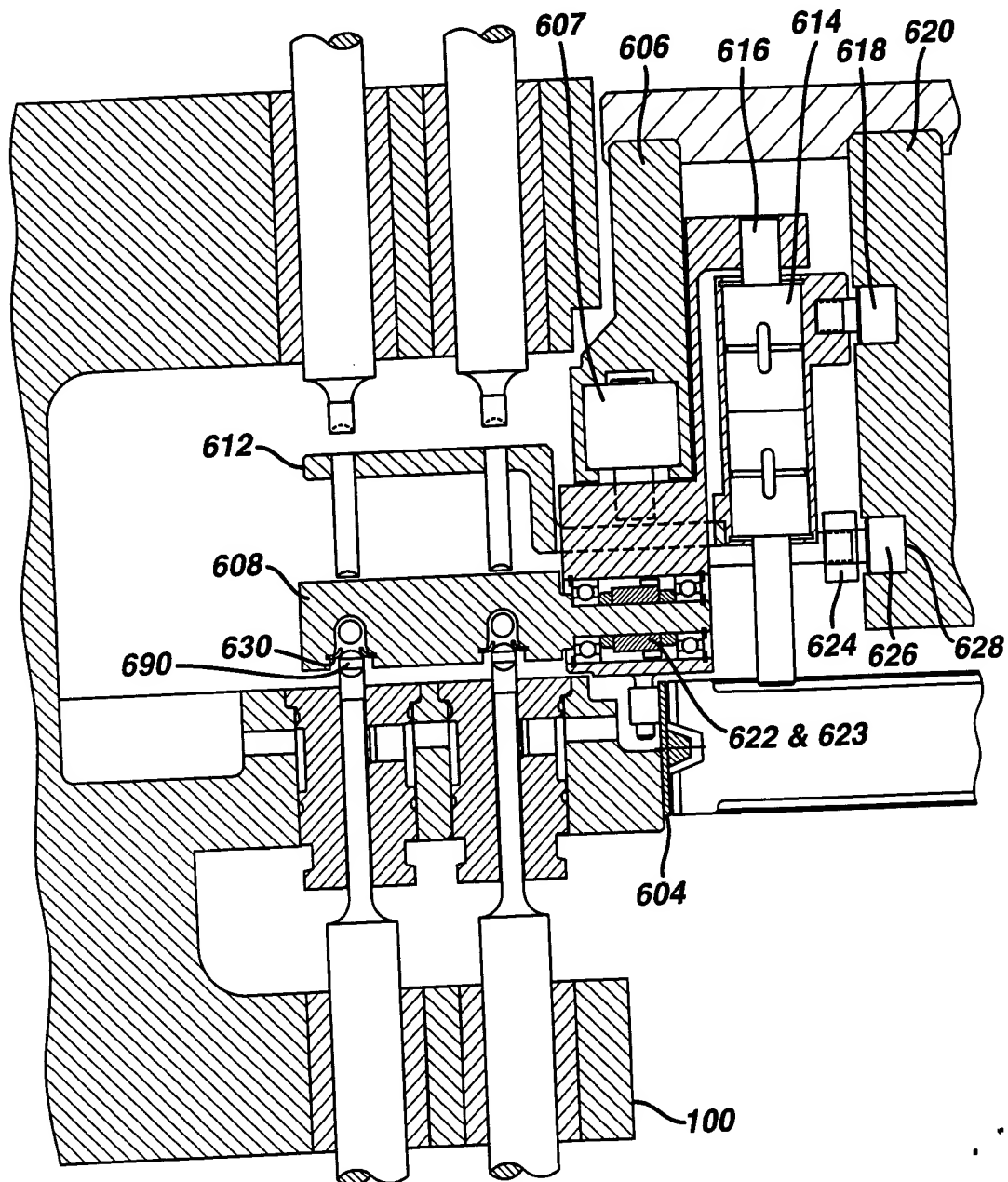
606 607 602 608 604 600

70/80

[illegible]

71/80

FIG. 80



2025-08-08 09:00:00

72/80

FIG. 81D

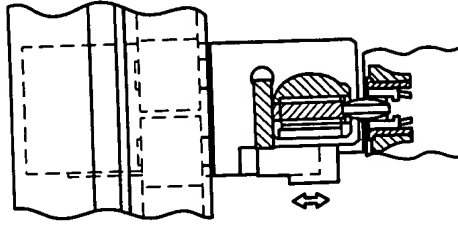


FIG. 81C

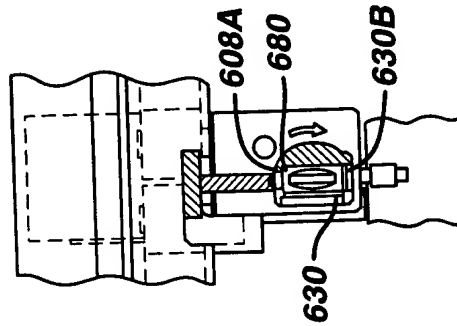


FIG. 81B

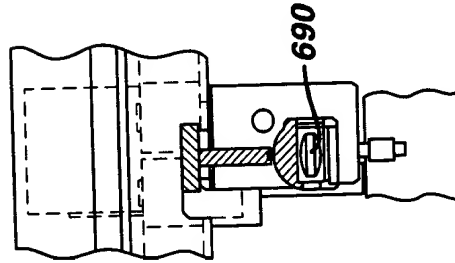
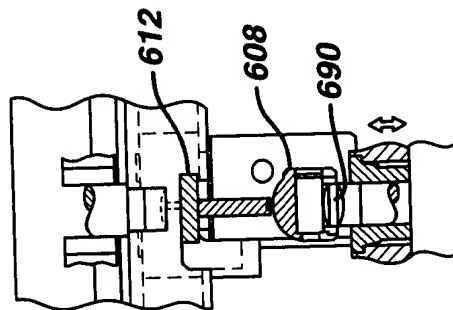


FIG. 81A



20250700-60333600

73/80

FIG. 81G

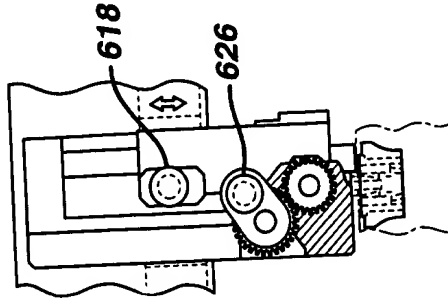


FIG. 81F

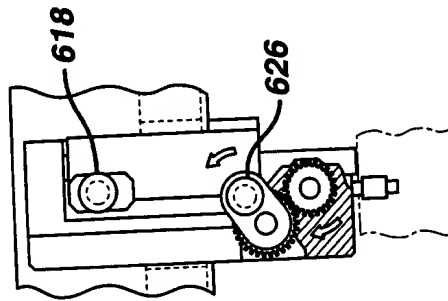
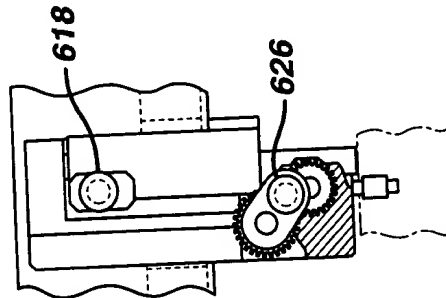


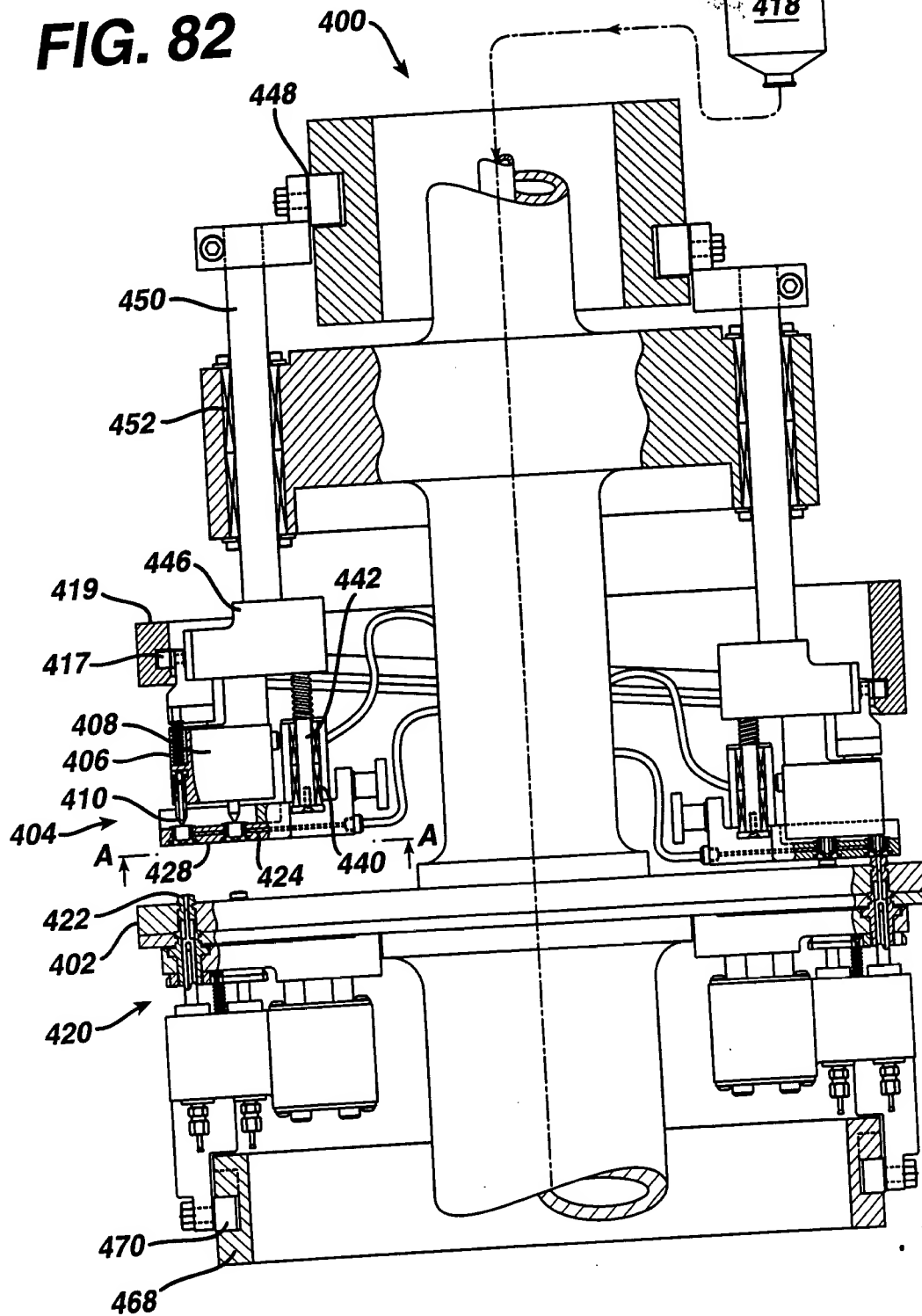
FIG. 81E



20250-00999000

74/80

FIG. 82



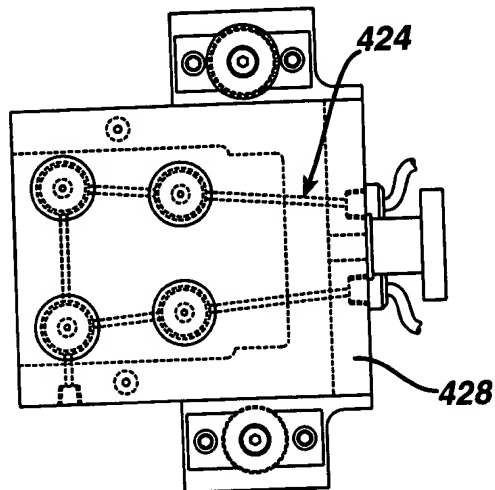
00966509-000000

TITLE: COMPRESSION
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APP#: 09/966,509
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DOCKET #: MCP-0293

TEL. #: 732-524-2242
CUST. #: 000027777

75/80

FIG. 82A



000027777

76/80

FIG. 84

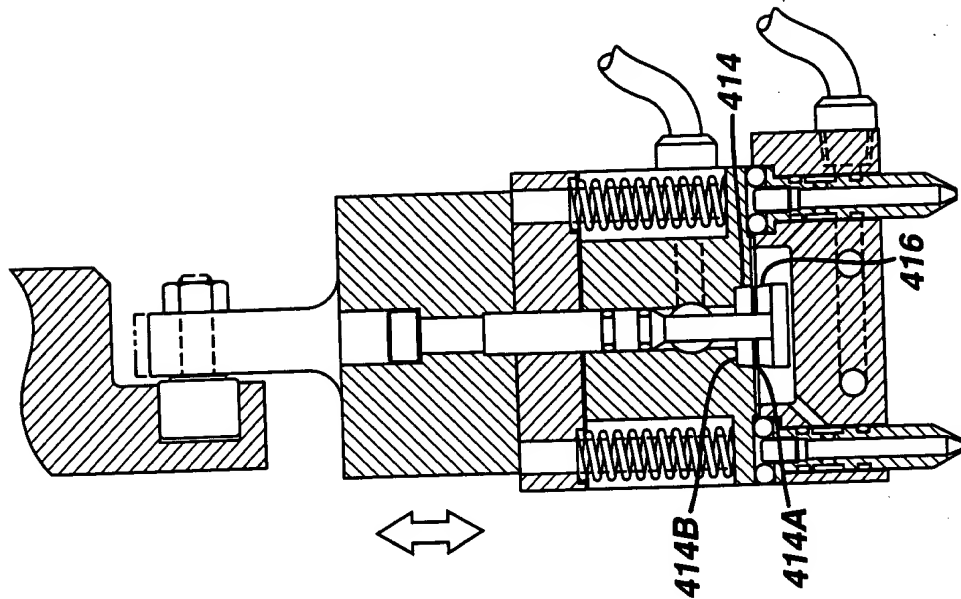
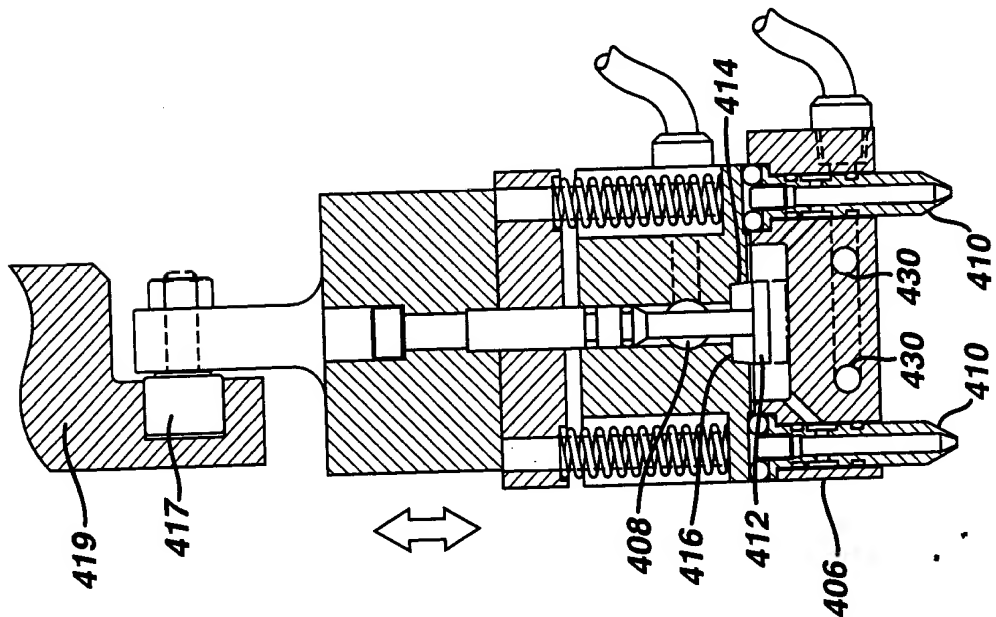


FIG. 83



20250-0059366A

77/80

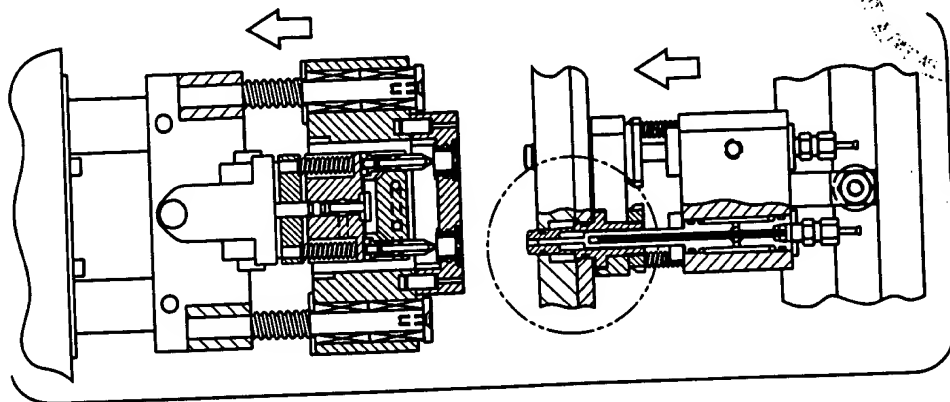


FIG. 85D

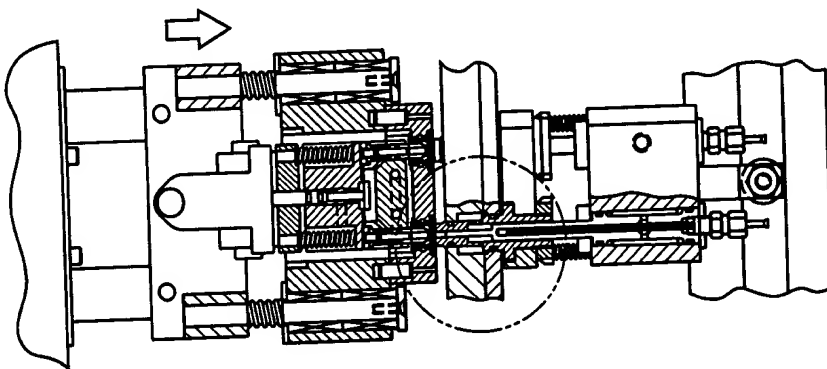


FIG. 85C

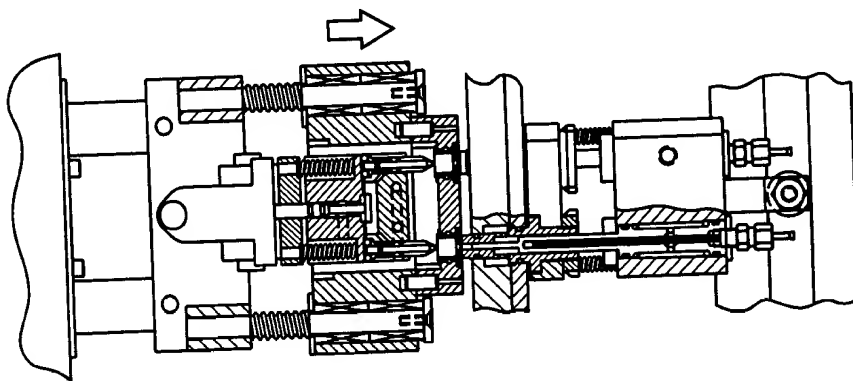


FIG. 85B

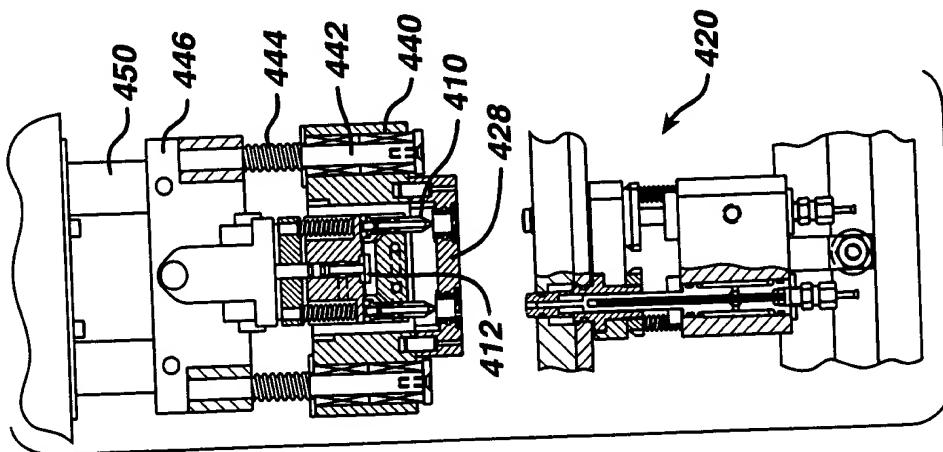
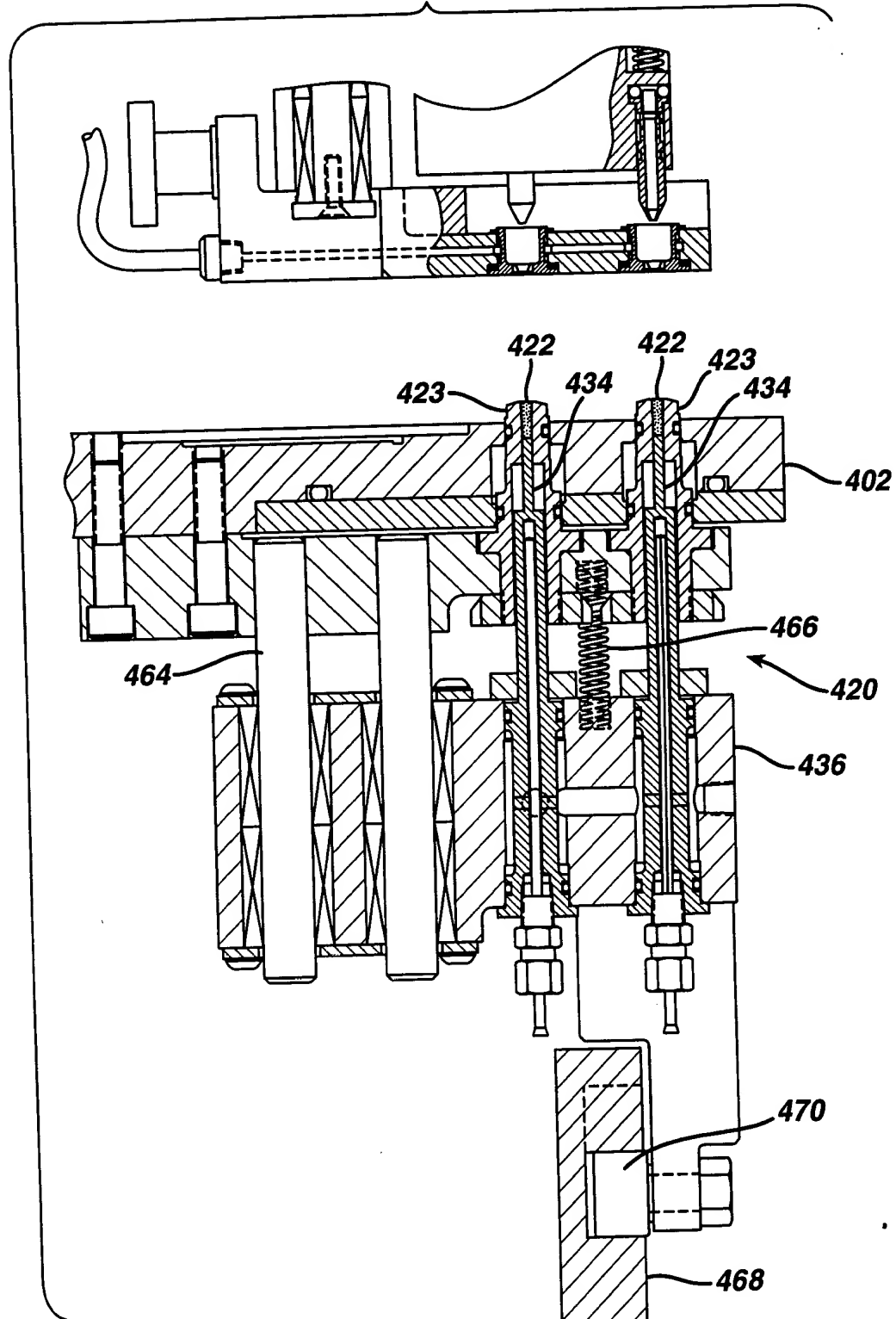


FIG. 85A

000027777

78/80

FIG. 86



00002777

TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
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DOCKET #: MCP-0293

TEL. #: 732-524-2242
CUST. #: 000027777

79/80

FIG. 88

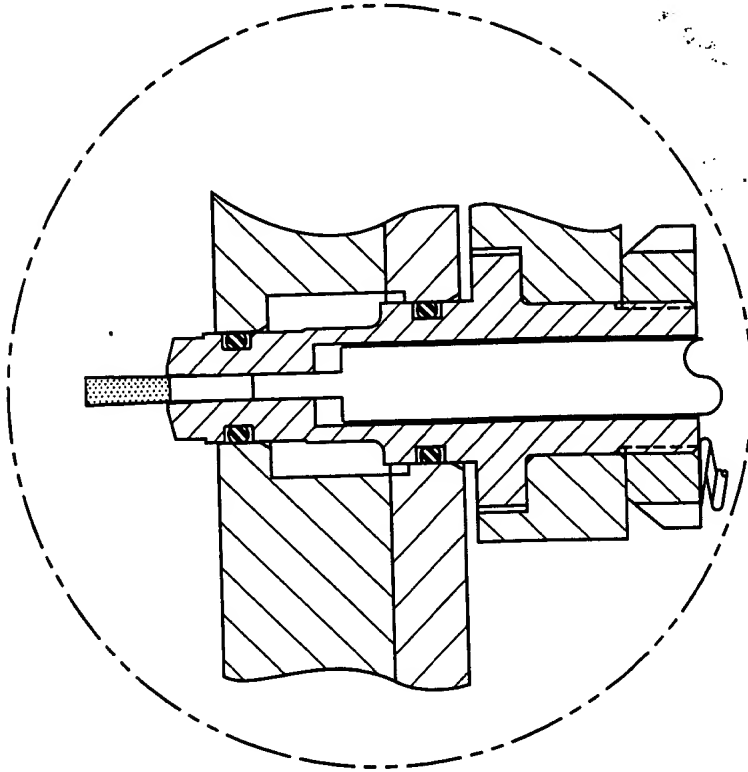
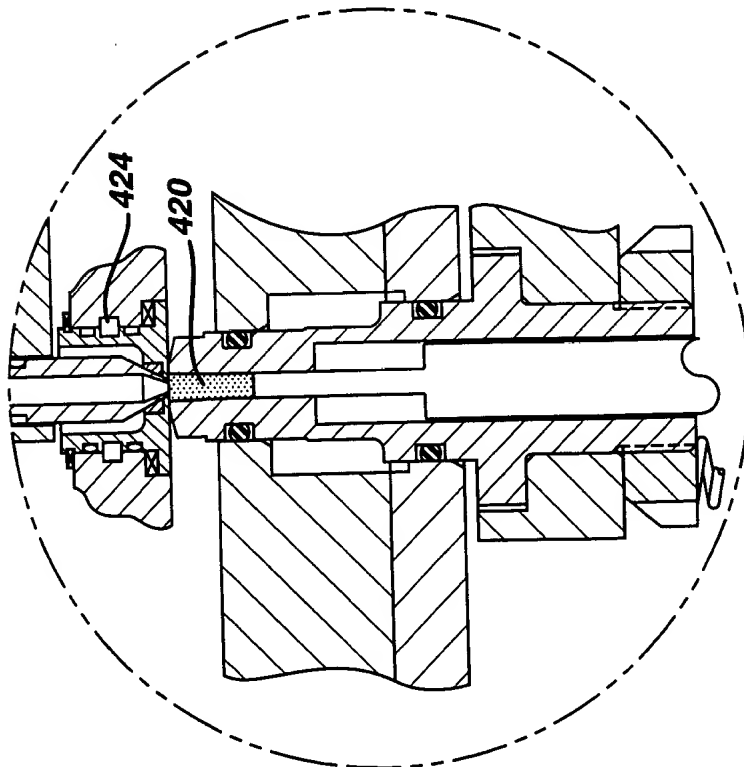


FIG. 87



80/80

A diagram of a thick-walled elliptical ring. The major axis is labeled d and the minor axis is labeled t . The ring is subjected to internal pressure, indicated by arrows pointing outwards from the inner boundary. The internal pressure is labeled t_{C1} at the top, t_{C2} at the right, t_{C3} at the bottom, and t_{C4} at the left. The outer boundary is labeled t_{C5} at the left and t_{C6} at the top. The inner boundary is labeled t_{C7} at the left and t_{C8} at the top.